


# BOSCH

## POWER TOOLS

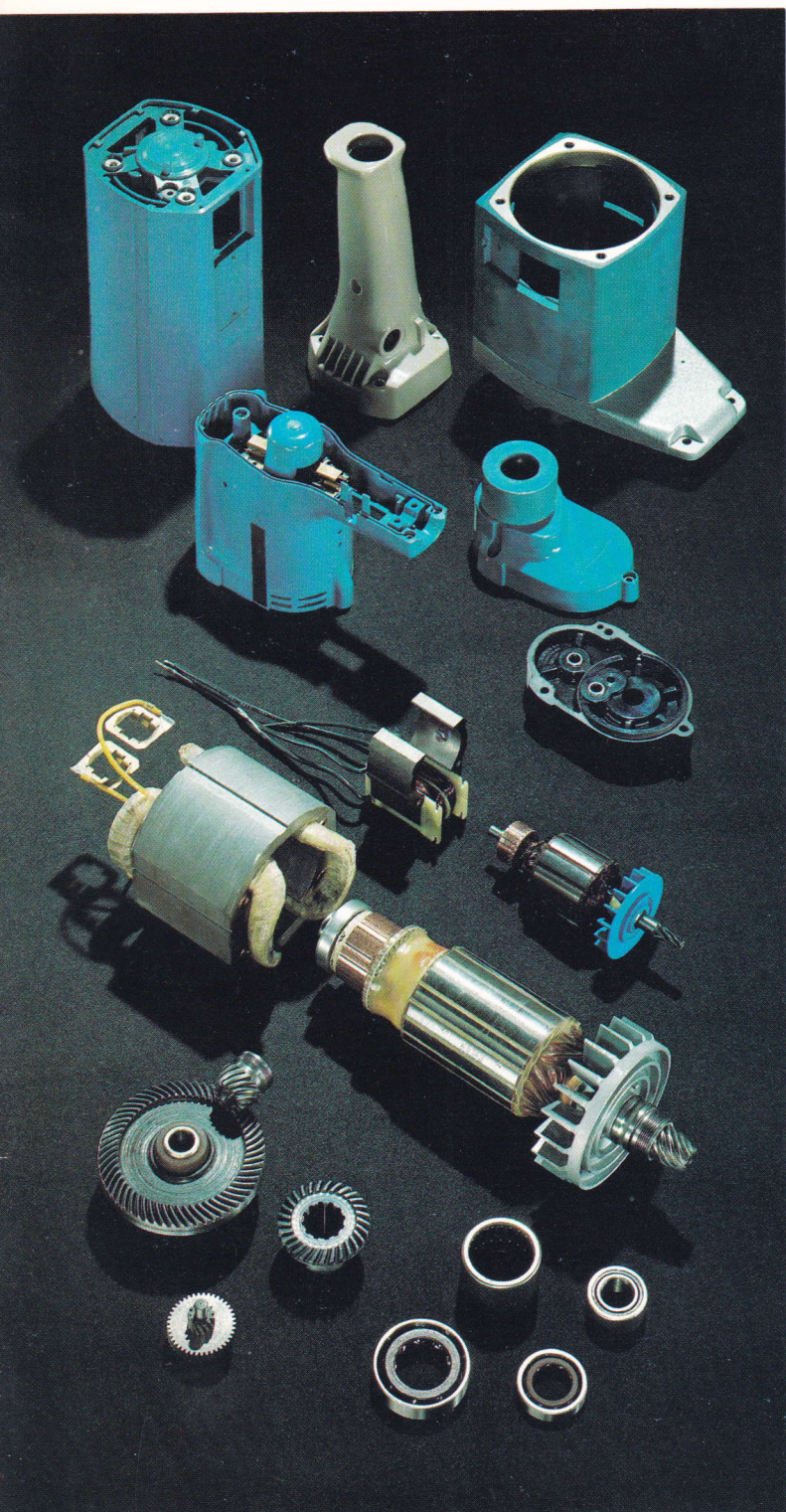
 DOUBLE INSULATED

 AIR

 HIGH CYCLE



# Production Philosophy



## Design, Material, Control

When you look at the basic components of a power tool, you will find that the list of ingredients is the same with all brands on the market: Housings, motor, gears, bearings, supporting components and a cord with a plug make up an electric tool. However, the similarity between different brands ends right here.

## Bosch . . . when you know the difference!

In housings, we use the finest nylon compounds, strengthened by millions of tiny fiberglass elements: They are both safe (because non-conductive) and durable, because of our many years of production experience. We produce structurally sound parts consistently, day after day. Bosch Power Tools are safer and perform longer.

Our motors are designed for efficiency, power and endurance — which means burn-out resistance, right in the heart of the tool. Every inch of wire in the windings of armatures and field coils is coated with a very high temperature insulating material to resist failure, even under extended overload conditions. Bosch armatures are totally encapsulated in a polyester resin envelope to resist the strains of heavy duty use and to control the negative effects of humidity and moisture. They are precisely, dynamically balanced for quiet, smooth operation and a long life.

Efficient, dependable power transmission from the motor to the "business end" of the tool requires absolute perfection in gear design, material selection and workmanship. Bosch Power Tools have helical and spiral gears for ultimate strength, efficiency and quiet power transmission. The materials used are selected on the basis of gear load factors and include the finest alloy steels, heat treated to perfection. Gleason cut gears, as well as electronic checks to individually match components into sets with ideal mesh are a daily routine with Bosch.


Only the best ball, roller and needle bearings can bring all the motor-power and gear perfection into friction-free movement. Bearing seats and supporting bores are meticulously machined and controlled, to assure accurate alignment and minimum interference.



# 3 Bosch Power Systems




## Double Insulated Tools


Prior to the introduction of Double Insulation , the only safety system available against shock hazards was the three-wire grounding with a three-prong plug. The idea here was to avoid injuries to the operator in the case of failure, by carrying away leakage currents safely through the ground wire; with a blown fuse as a net result instead of personal harm to the user.


The following reasons will convince you of some drastic shortcomings of this approach:

- Most electrical outlets available to power tool users are for two-prong plugs only, which require three-wire adapters: besides being inconvenient, these adapters sometimes are not installed properly, in which case they are useless.
- The tool user seldom has the knowledge and the equipment to check three-prong outlets for proper wiring and grounding — which brings a lot of uncertainty into this system. There is always a question as to whether or not the outlet is properly ground wired.


The Double Insulation  system, introduced by Bosch as early as 1935, replaces the three-wire system and eliminates uncertainty. It is a recognized and approved system, acceptable to Underwriters'

Laboratories and federal OSHA authorities.

The tool can be used with equal confidence in two or three-prong outlets, whether the outlet is grounded or not. The genuine double insulated  tool — and only such a tool — can be equipped with a two-prong plug and still protect the user from shock hazards.

There are two separate systems of electrical insulation that provide Double Insulation : if one system fails, the second system prevents dangerous electrical leakage from leaving the inside of the tool. This second system consists of high strength, non-conductive housing materials, which keep the user from touching a metal surface that might be electrically charged from the inside of the tool. Internally, two layers of insulation permanently isolate electrical components.

Wherever possible, non-conductive materials are also used for gear housings. This precaution is taken, because it is possible, for example with a drill, to strike a hot conductor while working with the tool, which will cause a hazard. Bosch has reduced this risk more extensively than any one else in the tool business.

In short: Bosch double insulated  tools provide the highest degree of electrical safety, actually far beyond present safety code requirements.



## High Cycle Tools

The idea of using brushless induction motors for portable equipment is another example of the innovative spirit at Bosch. Here is what this idea has accomplished for you:

- Less maintenance — no carbon brushes.
- More power per pound of tool weight. If you take for example, a regular electric tool of 15 lbs. weight and compare it to its counterpart in the high cycle range, you will find that the high cycle tool will have an output of at least twice as much horsepower.
- Compact tool size. Even if one could build a regular electric tool with the same horsepower output as its high cycle counterpart, chances are it would be twice as bulky.
- Safety. In a high cycle tool, no moving part is wired

to the power source. The only hot components are the switch and the field coil. The armature (rotor) is self-excited.

- Economical, efficient operation. Only relatively small, compact power generators or converters are required, instead of bulky compressors. Instead of a truck with trailer, you can usually carry your equipment in a standard size car trunk or a station wagon. Power costs, original investments and operating costs are usually substantially lower than with comparable systems.

We have a respectable line of High Cycle Tools for construction and industrial applications: For Construction High Cycle Tools, please refer to the respective pages in this catalog; for Industrial High Cycle Tools, request special literature from any of our offices.



## Air Tools

For many years, we have complimented our complete line of electrically powered tools with a comprehensive selection of Air Tools — some of which are unique, if not exclusive in the market, such as our famous air

jigsaw and our air powered sheet-metal tools, which you will find in this catalog. For further information, please request our special catalog.

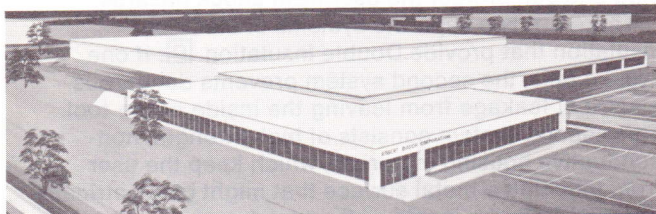


# A few words about Bosch

## Robert Bosch Corporation



CHICAGO



NEW YORK



HOUSTON

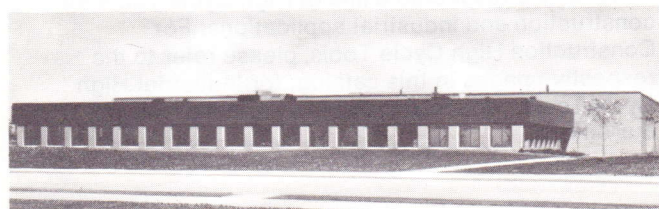


SAN FRANCISCO



LOS ANGELES

## Robert Bosch (Canada) Ltd.






TORONTO

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**We have been in the business of manufacturing power tools since 1929.**

Our company history began even earlier — in 1886, when the founder, Robert Bosch (1861-1942), established a “three-man workshop, for precision mechanics and electrical engineering”. Robert Bosch was one of the foremost pioneers in the automotive industry. His name is very closely linked to the dramatic and historical developments of the first motor cars, he influenced the rapid sophistication of the industrialized world. Today, more than 100,000 employees are working for the worldwide, multi-national Robert Bosch organization in more than 120 countries.

**From the very beginning, we have been innovators. And we are still pioneering new concepts. New to others. But basic to us.**

Like Double Insulation . As you go through this book, you will find a complete, coherent line of professional tools. No one else — anywhere, here or abroad — can match our line of double insulated  heavy duty tools. This means that over the last 38 years, we have been very concerned about the safety of industrial electric tools. What is new to others today, was new to Bosch in 1935: the Double Insulated  Electric Power Tool. We have not waited for progress. We brought it about, for your benefit.

**We are here to put power into your job: Drilling, Cutting, Chiseling, Breaking, Fastening, Grinding, Sanding, Polishing, Tapping, Planing . . .**

. . . whatever it is you are doing for a living, we are doing it for a living, too — in our laboratories first and then in the field — in your shop, some day — to help you economize. Here in North America as well as in more than 120 countries around the world.

**Here is the team that gets the results for you: Bosch, your Distributor and the Service Center.**

On the left, you'll see where we are. (And what our places look like.) In the Yellow Pages of your telephone directory, you'll find your full-line Bosch Power Tool Distributor under “Tools-Electric”. On the inside back cover of this catalog, we have listed the Bosch Authorized Service Centers for major cities. Your Distributor can guide you easily to the service facility closest to you — anywhere, from coast to coast.



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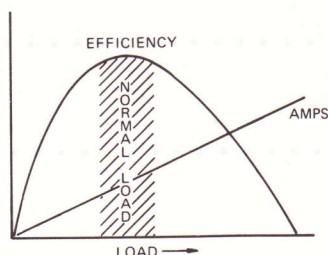


# Efficiency, Performance, Safety

## The Amp-Race Is Over. The Final Results are In:

The fact, whether you are putting 3 amps or 5 amps into your tool, according to the nameplate rating, has relatively little to do with the actual performance on the output side. (You rate your car by horsepower-output, not by the gallons of gas you use up — why would you rate a power tool differently?)

In keeping with our proven tradition of quality materials and workmanship, Bosch Power Tools provide quality performance through efficient motor designs. All Bosch Tools are designed to operate at the maximum efficiency associated with a particular tool function. This means that minimum power is consumed to provide maximum usable work at the "business end" of the tool. Our continued efforts to provide the ultimate in efficiency will reflect in conservative ratings with ample reserve power to handle the toughest applications.



rigid standards, we are proud to display these symbols of recognition.



## Power Tool Institute — P.T.I.

The Bosch Power Tool Division is an active member in the P.T.I. We subscribe to the procedures that allow us to display the "P.T.I. Safety Seal."

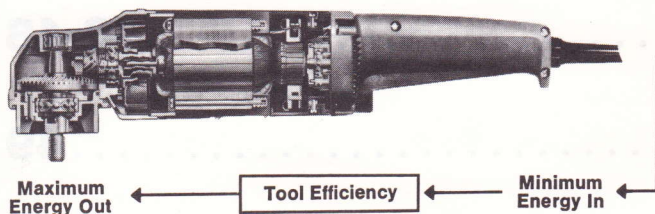


This seal assures:

1. That the manufacturer's power tools including the particular tool associated with the Seal, are produced in accordance with applicable Standards for Safety of Underwriters' Laboratories, Inc. and American National Standards, Inc. (ANSI).
2. That compliance with applicable safety standards is assured by independent inspection and testing conducted by Underwriters' Laboratories, Inc.
3. That the tool manufacturer is a member of the Power Tool Institute, Inc. and is a sponsor of the Institute's Consumer Safety Education Program.

## Amp vs. Horsepower:

As explained before, the so-called "amp-rating" of a tool is restricted to the power-input, while the "horse-power rating" states the actual power output, which you are really interested in. (So are we). The horsepower values shown in this catalog are based upon peak horsepower at the output spindle of the tool and measured in accordance with the procedures published by the Power Tool Institute.



## Underwriters Laboratories Inc. Listing Canadian Standards Association Certification

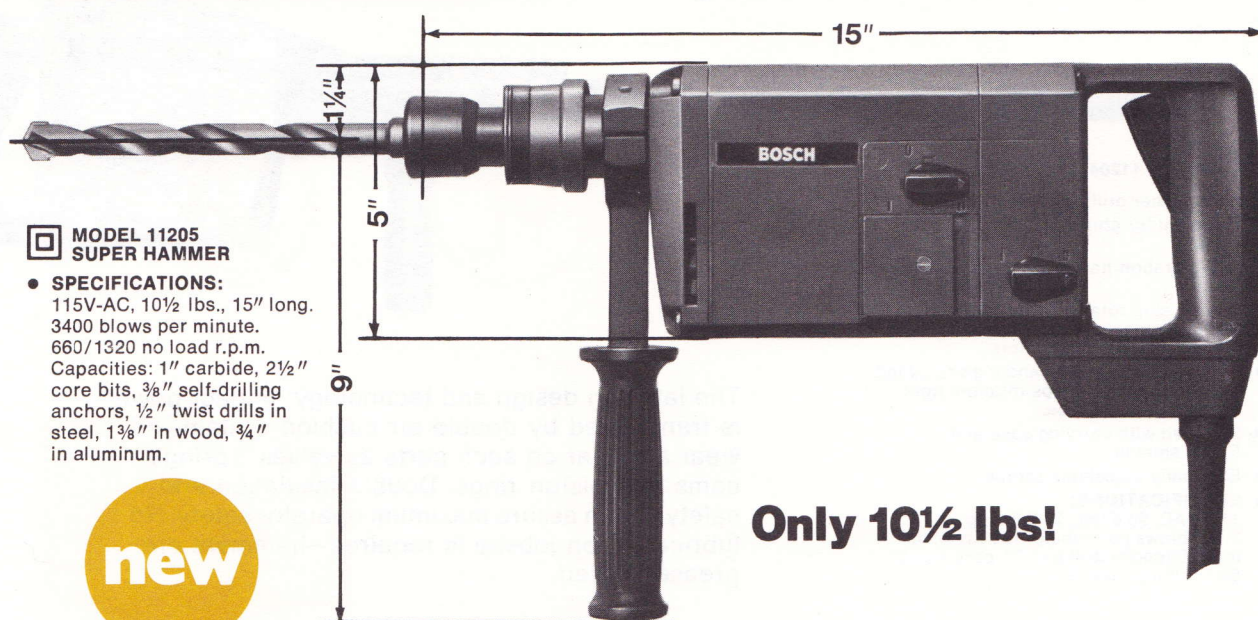
Bosch Power Tools are pledged to a continuing program for achieving and maintaining recognition from safety certification authorities throughout the world. As part of our conformance to these

## U.S. Department Of Labor Occupational Safety And Health Act — (OSHA) Safety And Health Regulations For Construction

Bosch Power Tools are constructed in accordance with applicable, published federal standards and the latest amendments to these standards. If specific questions concerning the conformance of our product should arise, informed and qualified personnel are available to provide prompt clarification. Contact your Bosch distributor or your Bosch field sales representative.



### 11205 Super Hammer



#### MODEL 11205 SUPER HAMMER

- SPECIFICATIONS:**  
115V-AC, 10½ lbs., 15" long.  
3400 blows per minute.  
660/1320 no load r.p.m.  
Capacities: 1" carbide, 2½" core bits, ⅝" self-drilling anchors, ½" twist drills in steel, 1⅜" in wood, ¾" in aluminum.

**new**

**Only 10½ lbs!**

Designed in the Bosch tradition of safety, quality and long useful life, this is the newest and most versatile addition to the Bosch rotary hammer line.

Compact, lightweight and packed full of features, *one* unit gives these outstanding functions:

- Rotary hammering in 2 speeds
- Hammering (stop-rotation)
- Drilling in 2 speeds

This is the perfect rotary hammer for:

- Carbide drilling** up to 1" diameter
- Core drilling** up to 2½" diameter
- Self-drilling** anchors up to ⅝" diameter
- Drilling** in steel, wood, aluminum, plastics, etc.

Compare these outstanding features and you'll agree that this is truly the finest and safest lightweight rotary hammer on the market.

## Super Features

- |   |   |
|---|---|
| <p><b>COMPACT &amp; LIGHTWEIGHT</b> — Only 10½ lbs.! Perfect for overhead drilling, less operator fatigue. Gets into the tightest corners.</p>  | <p><b>"QUICK CHANGE", TOOL HOLDER</b> — Simply insert the accessory tool —push and "click"—insert tool is positively and safely locked in place. To remove, a simple movement of the tool holder collar releases the insert tool.</p> |
| <p><b>MULTI-PURPOSE</b> — Convenient selector knobs provide versatility for:</p>  | <p><b>"HAMMER WITH A BRAIN"</b> — Exclusive carbon brush design automatically turns off the tool when regular maintenance is required—built-in preventive maintenance for long life.</p>  |
| <p><b>ROTARY HAMMERING</b> — Solid shank carbide drilling up to 1" dia.—core drilling up to 2½".</p>  | <p><b>SPLINE DRIVE BITS &amp; ACCESSORIES</b> — Uses Bosch, standard spline shank accessories same as 11202, 203 and 204. Completely interchangeable.</p>   |
| <p><b>STOP-ROTATION</b> — Drill and set self-drilling anchors up to ⅝".</p>   | <p><b>BALANCED HAMMER MECHANISM</b> — Minimum vibration reduces operator fatigue and lengthens hammer life.</p>   |
| <p><b>ROTATE ONLY</b> — Use it as a drill.</p>  | <p><b>ADJUSTABLE AUXILIARY HANDLE</b> — Non-conductive handle, with split clamp mounting for positive positioning, rotates 360° to accommodate work situation.</p>  |
| <p><b>2-SPEEDS</b> — 2-speed gearing provides no load RPM of 660/1320 for drilling and rotary hammering operations.</p>   | <p><b>POSITIVE SET DEPTH GAUGE</b> — Can be pre-set for specific depths —assures repeatability—a must for "drop-in" anchors.</p>  |
| <p><b>DOUBLE INSULATED &amp; ("ALL INSULATED")</b> — All exposed surfaces are non-conductive. Extra safety when drilling "blind holes" and striking live conductors. Exceeds latest Underwriters' Laboratories, Inc. standards.</p> |   |
| <p><b>SAFETY CLUTCH</b> — Pre-set safety clutch "kicks in" under stalled conditions—protects the user against surprise stalls.</p>  |   |



PART NO. T 1835

#### CHUCK ADAPTER FOR DRILLING IN WOOD OR STEEL.

Fits all ½"—20 internally threaded chucks.

ADDITIONAL ACCESSORIES SHOWN ON PAGES 9, 10, AND 11.

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# Hammers, Breakers

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## 11202, 11203, 11204 Rotary Hammers



### MODEL 11204, 2" ROTARY HAMMER

- For hammer drilling in tough concrete.
- Excellent for chipping, chiseling and scaling.
- Anti-vibration handle reduces operator fatigue.
- Built-in stop rotation mechanism for hammering action only, ideal for setting self-drilling anchors.
- Unique selector grip handle gives added support. Left turn stops rotation, right turn increases torque.
- Supplied with carrying case and 5 dust shields.
- Externally adjustable torque.
- **SPECIFICATIONS:**  
115V/AC, 23.5 lbs., 23 3/4" long,  
2,260 blows per minute, 150 r.p.m. full  
load. Capacity drill bits 2", core bits 5".  
Self-drilling, anchors 7/8".

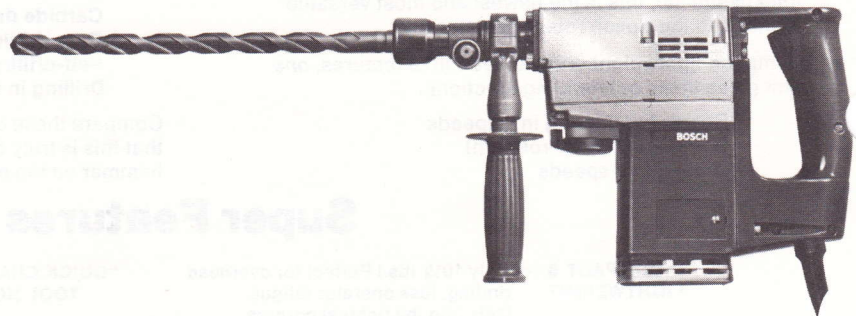


The latest in design and technology: Impact power is transmitted by double air cushion system—no wear and tear on such parts as valves, springs, cams and piston rings. Double insulation and safety clutch assure maximum operator safety. No lubrication on jobsite is required—hammers are grease packed.



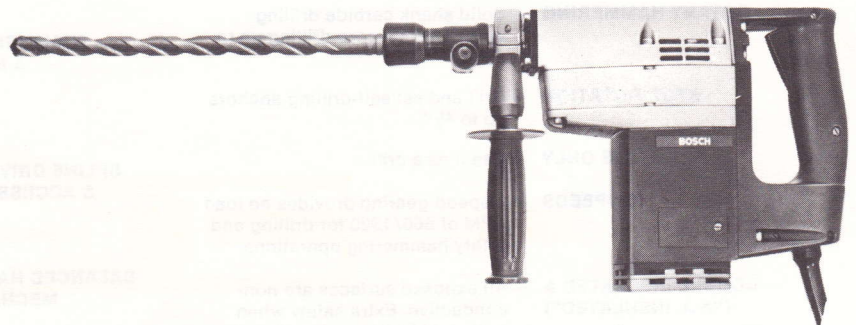
### MODEL 11203, 1-1/2" ROTARY HAMMER

- For hammer drilling in tough concrete.
- Ideal for setting self-drilling anchors — convenient stop-rotation selector lever for hammering with or without rotation.
- Effective for chipping, chiseling and scaling.
- Supplied with carrying case, side handle, depth gauge and 5 dust shields.
- **SPECIFICATIONS:**  
115V-AC, 13.2 lbs., 14 3/4" long,  
2,850 blows per minute - full load, 330  
RPM - full load. Capacity: 1 1/2" drill bits,  
3" core bits, 7/8" self-drilling anchors.

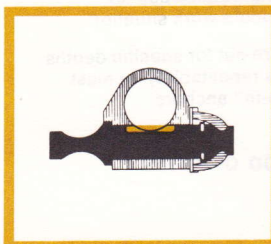


### MODEL 11202, 1-1/2" ROTARY HAMMER

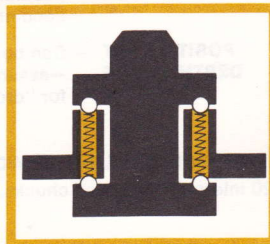
- For hammer drilling in tough concrete.
- Effective for chipping, chiseling and scaling.
- Supplied with carrying case, side handle, depth gauge and 5 dust shields.
- **SPECIFICATIONS:**  
115V-AC, 13 lbs., 14 3/4" long,  
2,600 blows per minute, 300 r.p.m. full  
load. Capacity 1 1/2" drill bits,  
3" core bits, 7/8" self-drilling anchors.



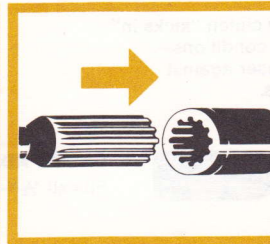
### SAFETY RETAINER



### SAFETY CLUTCH



### SPLINE SHANK



### Spline shank provides:

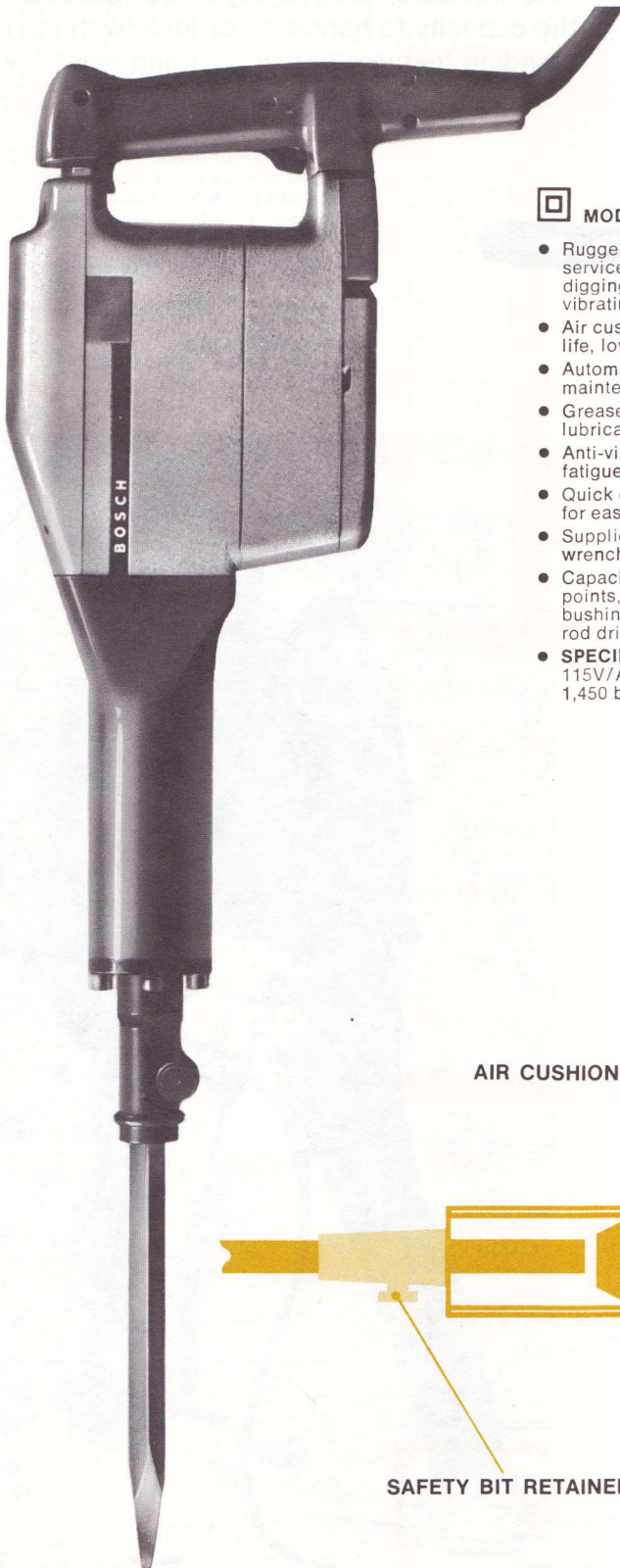
- Better power transmission because turning force is more evenly distributed around bit shank.
- Up to three times higher bit shank life due to more even distribution of turning power... extends life of carbide tip.
- Up to 10% more drilling efficiency.

ACCESSORIES SHOWN ON PAGES 9, 10, AND 11





## 11302 Demolition Hammer



### MODEL 11302, DEMOLITION HAMMER

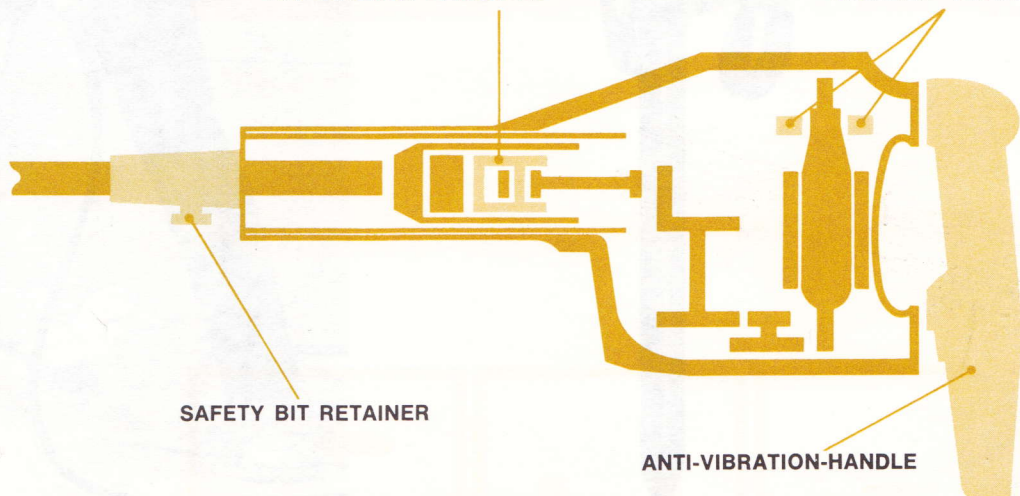
- Ruggedly built for efficient, dependable service: chipping, chiseling, gouging, digging, tamping, roughing, form vibrating and ground rod driving.
- Air cushion impact system assures long life, low maintenance cost.
- Automatic "shut off" tells when preventive maintenance is recommended.
- Grease packing eliminates nuisance of lubricating on job site.
- Anti-vibration-handle reduces operator fatigue.
- Quick change, cam action safety retainer for ease in changing insert tools.
- Supplied with: carrying case, bull point, wrench.
- Capacities: handles wide assortment of points, chisels, spades, tamping plates, bushing tools, form vibrators and ground rod drivers. 2" star drill diameter.
- **SPECIFICATIONS:**  
115V/AC, 20.5 lbs., 23" long.  
1,450 blows per minute.

AIR CUSHION PRINCIPLE

HAMMER "BRAIN"

SAFETY BIT RETAINER

ANTI-VIBRATION-HANDLE



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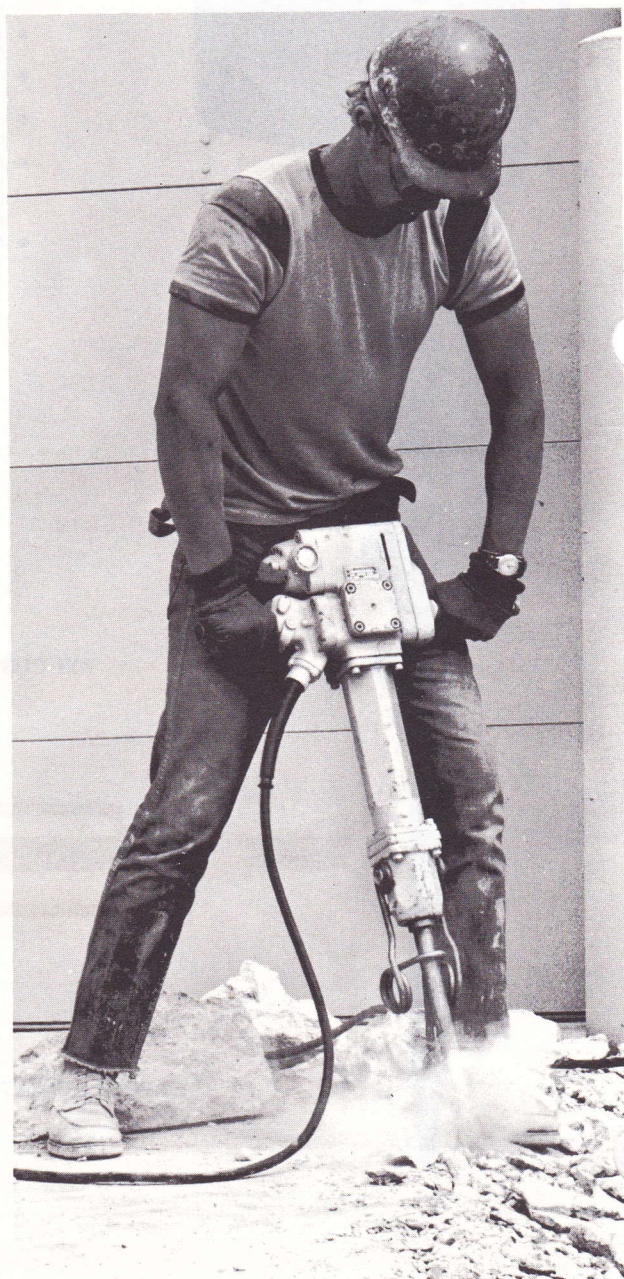
## 11300 Breaker Hammer



This portable, plug-in-anywhere breaker has the capacity to handle most jobs, with the outstanding features of low dust and noise levels.

### MODEL 11300, BREAKER HAMMER

- 115V-AC motor—plug-in anywhere—No compressor required—low noise level.
- Lowest maintenance costs as proved in the rental industry—a real money saver.
- Versatile—for digging, demolishing, ripping, breaking and tamping.
- Breaking force equivalent to 35-40 lb. air unit.
- Supplied with: grease gun, wrench, round nose pliers.
- **SPECIFICATIONS:**  
115V-AC, 62 lbs., 25¼" long,  
1,250 blows per minute.



ACCESSORIES SHOWN ON PAGE 13



# Accessories—11202, 11203, 11204, 11205 Rotary Hammers

## SPLINE SHANK CARBIDE TIPPED BITS

MODEL	BIT DIA.	USABLE LENGTH	STANDARD FLUTE PART NO.	SPIRAL FLUTE PART NO.
11204 11202/11203 11205	3/8"	3"	T 1876	T 2800
	3/8"	6"	T 1877	T 2801
	1/2"	5"	1 618 596 074	T 2802
	1/2"	11"	1 618 596 075	T 2803
	1/2"	18"	T 1878	—
	5/8"	5"	1 618 596 044	T 2804
	5/8"	5"	1 618 596 046	T 2805
	5/8"	11"	1 618 596 047	T 2806
	5/8"	18"	T 1879	—
	3/4"	11"	1 618 596 051	T 2807
	3/4"	16 3/4"	1 618 596 052	T 2808
	3/4"	18"	T 1888	—
	7/8"	11"	1 618 596 055	T 2809
	7/8"	16 3/4"	1 618 596 056	T 2810
	7/8"	18"	T 1889	—
	1"	11"	1 618 596 057	T 2811
	1"	16 3/4"	1 618 596 058	T 2812
	1 1/8"	11"	1 618 596 060	T 2813
	1 1/8"	16 3/4"	1 618 596 061	T 2814
	1 1/4"	11"	1 618 596 062	T 2815
	1 1/4"	16 3/4"	1 618 596 063	T 2816
	1 3/8"	11"	1 618 596 064	T 2817
	1 3/8"	16 3/4"	1 618 596 065	T 2818
	1 1/2"	16 3/4"	1 618 596 067	T 2819
	1 3/4"	16 3/4"	1 618 596 071	T 2820
	2"	16 3/4"	1 618 596 073	T 2821

## A & B TAPER SHANK, CARBIDE TIPPED BITS, STANDARD FLUTING

DESCRIPTION	PART NO.
"A" Taper Adapter	T 1830
"B" Taper Adapter	T 1831
Ejector Key	T1853

### "A" TAPER BITS

BIT DIA.	LENGTH	PART NO.
1/4"	2"	T 1860
1/4"	4"	T 1861
5/16"	2 1/2"	T 1862
5/16"	4"	T 1863
3/8"	3"	T 1864
3/8"	6"	T 1865
7/16"	3"	T 1866
1 5/32"	3"	T 1867
1/2"	3"	T 1868
1/2"	6"	T 1869
9/16"	3"	T 1870
9/16"	6"	T 1871
5/8"	3"	T 1872
5/8"	6"	T 1873

### "B" TAPER BITS

BIT DIA.	LENGTH	PART NO.
5/8"	6"	T 1880
1 1/4"	6"	T 1882
3/4"	6"	T 1883
2 7/32"	6"	T 1884
7/8"	6"	T 1885
1"	6"	T 1886
1 1/8"	6"	T 1887

## HAMMERS BREAKERS

5-13

## HIGH CYCLE BREAKERS GENERATORS

14-16

## HAMMER DRILLS

17

## DRILLS

18-23

## CIRCULAR SAWS

24

## PLANERS BELT SANDERS

25

## JIG SAWS

26-33

## FOAM RUBBER, AND CARPET CUTTERS

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## GRINDERS POLISHERS SANDERS

35-39

## SHEARS NIBBLERS

40-43

## IMPACT WRENCHES

44-45

## SCREWDRIVERS TAPPERS

46-48

## TAMPER

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## AIR TOOLS

50-53

## SERVICE CENTERS

## INSIDE BACK COVER



# Hammers, Breakers

## HAMMERS BREAKERS

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## HIGH CYCLE BREAKERS GENERATORS

14-16

## HAMMER DRILLS

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## DRILLS

18-23

## CIRCULAR SAWS

24

## PLANERS BELT SANDERS

25

## JIG SAWS

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## FOAM RUBBER, AND CARPET CUTTERS

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## GRINDERS POLISHERS SANDERS

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## SHEARS NIBBLERS

40-43

## IMPACT WRENCHES

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## SCREWDRIVERS TAPPERS

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## AIR TOOLS

50-53

## SERVICE CENTERS

## INSIDE BACK COVER

## Accessories—11202, 11203, 11204, 11205 Rotary Hammers

### CROSS-CORE DRILLS

New concept in concrete drilling techniques. Five carbide tips bite into concrete for fast, smooth, efficient results. Light weight — great for overhead drilling — replaces large diameter drill bits or core bits.

CUTTER DIA.	USEABLE DRILLING DEPTH	PART NO.
1½"	9"	T 1890
1½"	14"	T 1891
1¾"	9"	T 1892
1¾"	14"	T 1893
2"	9"	T 1894
2"	14"	T 1895
2½"	9"	T 1896
2½"	14"	T 1897

### CARBIDE TIPPED CORE BITS

CUTTER DIA.	LENGTH	PART NO.
1½"	4"	1 618 551 020
2"	4"	1 618 551 021
2½"	4"	1 618 551 022
3"	4"	1 618 551 023
*4"	4"	1 618 551 024
*5"	4"	1 618 551 025

\*Model 11204 only

### CENTERING DRILL

BIT DIA.	LENGTH	PART NO.
7/16"	4¾"	1 618 596 029

### ADAPTER SHANKS FOR CORE BITS

DESCRIPTION	LENGTH	PART NO.
for core bits	6½"	1 618 598 067
	15¾"	1 618 598 068
ejector key		1 601 030 009

### DUST SHIELDS

DESCRIPTION	PART NO.
cup type	1 610 508 001
disc type	1 610 109 012

### SPECIAL CHUCK

DESCRIPTION	PART NO.
adapter chuck for percussion carbide bits with any shank configuration up to ½" width	1 618 571 003
(tightening wrench included)	1 617 950 005

### STOP ROTATION ATTACHMENT FOR MODEL 11202

DESCRIPTION	PART NO.
for use with Philips self-drilling anchor chucks	1 616 409 003

### 11202, 11203, 11204, 11205 ACCESSORIES FOR SETTING SELF-DRILLING ANCHORS

#### CHUCK HEADS

MODEL	SELF DRILLING ANCHOR SIZE	PART NO.
11202, 11203, 11204, 11205	¼"	T 1844
	5/16"	T 1845
	3/8"	T 1846
	½"	T 1847
	5/8"	T 1848
	¾"	T 1849
	7/8"	T 1850

#### CHUCK SHANK

DESCRIPTION	PART NO.
for use with Philips self-drilling anchor chucks	1 618 598 074

#### DUST SHIELD FOR OVERHEAD DRILLING

EJECTOR KEY FOR REMOVING SELF DRILLING ANCHORS

DRIFT PIN FOR REMOVING CHUCK HEADS

BLOW OUT BULB

T 1851

T 1852

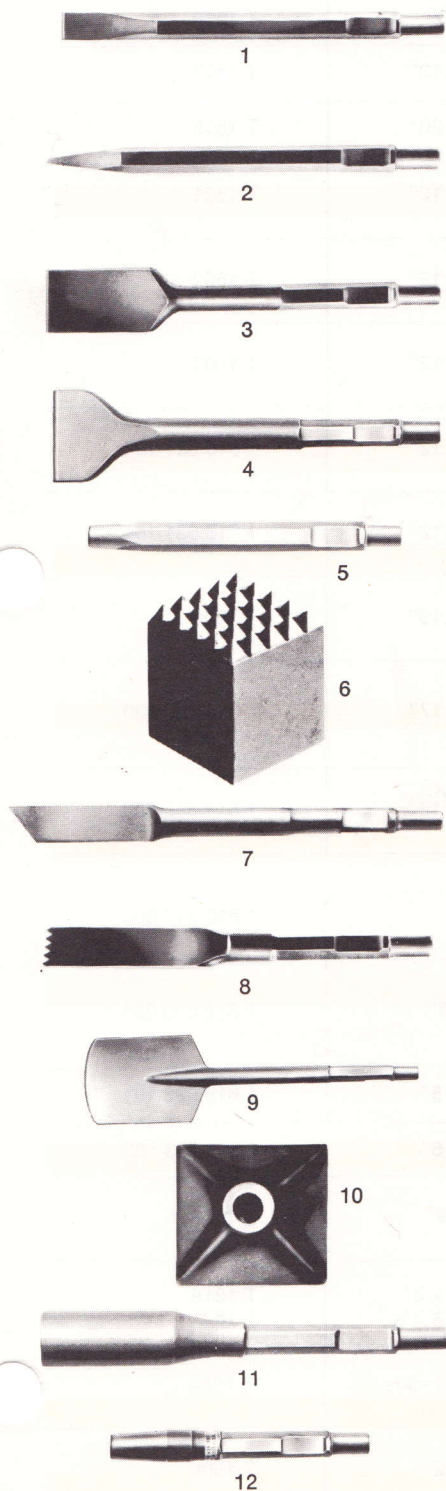
T 1853

T 1854



## Accessories—11202, 11203, 11204, Rotary Hammers

### INSERT TOOLS



NO.	DESCRIPTION	SIZE	PART NO.
1	flat chisel	1" x 12" 1" x 18"	T 1811 T 1812
2	bull point	12" 18"	T 1813 T 1814
3	wood chisel	2" x 14"	T 1815
4	scaling chisel	1½" x 12" 2" x 12"	T 1816* T 1817*
5	stem for bushing head	9"	T 1818
6	bushing head	1½" x 2" 1¾" x 1¾"	T 1819 T 1521
7	seam tool	1½" x 15"	T 1820
8	slotting tool	1½" x 15"	T 1821
9	clay spade	4½" x 18"	T 1822*
10	tamping tool	5"	T 1823*
11	ground rod driver	5/8" & 3/4" rods	T 1824*
12	shank for tamping tool	16"	T 1825*

\* For Model 11204 Only

### HAMMERS BREAKERS

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### HIGH CYCLE BREAKERS GENERATORS

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### HAMMER DRILLS

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### DRILLS

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### CIRCULAR SAWS

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### PLANERS BELT SANDERS

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### JIG SAWS

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### FOAM RUBBER, AND CARPET CUTTERS

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### GRINDERS POLISHERS SANDERS

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### SHEARS NIBBLERS

40-43

### IMPACT WRENCHES

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### SCREWDRIVERS TAPPERS

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### TAMPER

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### AIR TOOLS

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### SERVICE CENTERS

### INSIDE BACK COVER



# Hammers, Breakers

## Accessories – 11302 Demolition Hammer 12311 High Cycle Demolition Hammer

### HAMMERS BREAKERS

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### HIGH CYCLE BREAKERS GENERATORS

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### HAMMER DRILLS

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### DRILLS

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### CIRCULAR SAWS

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### PLANERS BELT SANDERS

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### JIG SAWS

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### FOAM RUBBER, AND CARPET CUTTERS

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### GRINDERS POLISHERS SANDERS

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### SHEARS NIBBLERS

40-43

### IMPACT WRENCHES

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### SCREWDRIVERS TAPPERS

46-48

### TAMPER

49

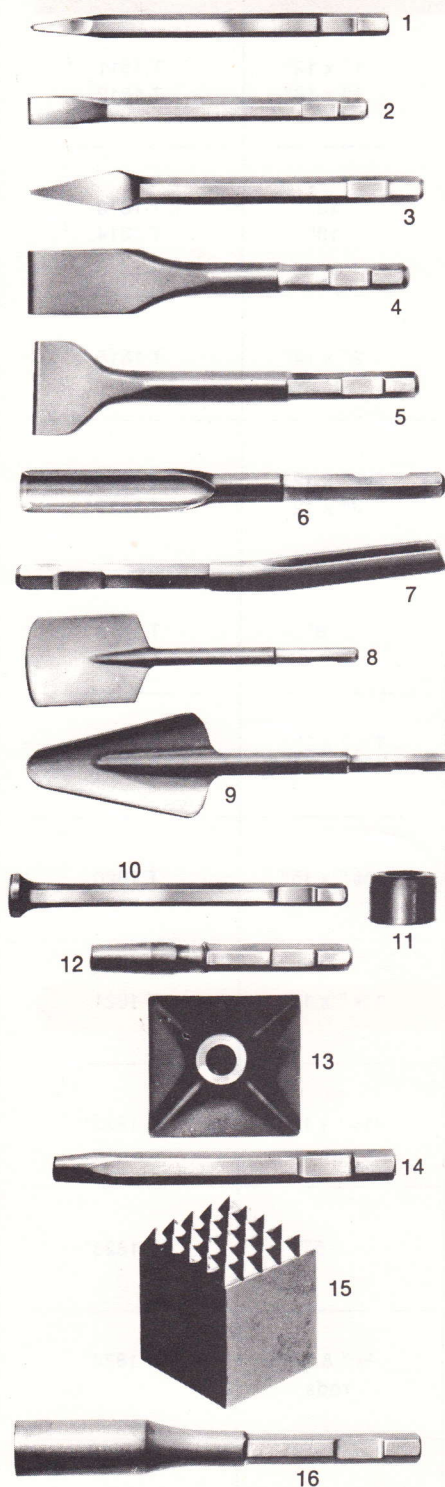
### AIR TOOLS

50-53

### SERVICE CENTERS

### INSIDE BACK COVER

### INSERT TOOLS

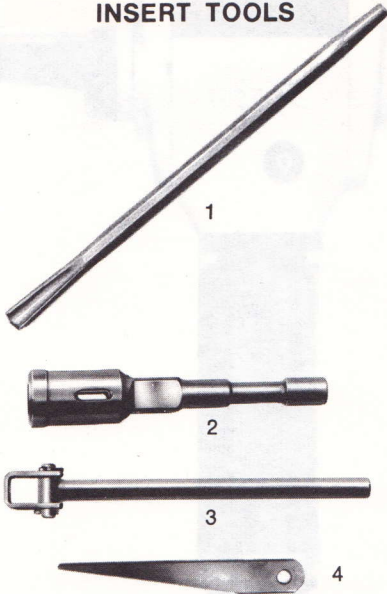


NO.	DESCRIPTION	SIZE	PART NO.
1	bull points	12"	T 1515
		20"	T 1516
2	flat chisel	1" x 12"	T 1517
		1" x 20"	T 1518
3	cape chisel	½" x 12"	T 1501
4	wood chisel	2" x 12"	T 1502
5	scaling chisel	3" x 12"	T 1503
6	straight gouge	1¼" x 12"	1 618 631 101
7	cranked gouge	1" x 12"	1 618 631 100
8	clay spade	4½" x 19"	T 1504
9	pointed spade	4½" x 17"	1 618 632 000
10	form vibrator	1½" x 12"	1 618 633 300
11	rubber mallet attachment		1 610 557 000
12	tamper shank	8"	1 618 639 001
13	tamper (base only)	4¾" x 5"	1 618 633 101
		6" x 6"	1 618 633 102
14	bushing shank	9"	T 1508
15	bushing head	1½" x 2" 1¾" x 1¾"	T 1819 T 1521
16	ground rod driver	⅝" & ¾" rods	T 1524
	asphalt spade	12"	T 1506



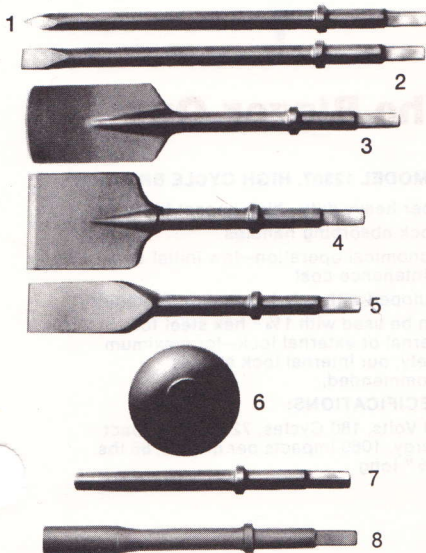
## Accessories – 11302 Demolition Hammer 12311 High Cycle Demolition Hammer

### INSERT TOOLS



NO.	DESCRIPTION	SIZE	PART NO.
1	star drill 22mm taper	3/4" x 12"	T 1530
		3/4" x 24"	T 1531
		7/8" x 12"	T 1532
		1" x 12"	T 1534
		1" x 24"	T 1535
		1 1/8" x 12"	T 1536
		1 1/8" x 24"	T 1537
		1 1/4" x 12"	T 1538
		1 1/4" x 24"	T 1539
		1 3/8" x 12"	T 1540
		1 1/2" x 12"	T 1542
		1 1/2" x 24"	T 1543
		1 3/4" x 12"	T 1544
		2" x 12"	T 1546
		2" x 24"	T 1547
2	star drill holder 22mm taper		1 618 598 063
3	drill lever		1 612 027 001
4	ejector key		1 601 030 009

## Accessories – 11300 Breaker Hammer



NO.	DESCRIPTION	SIZE	PART NO.
1	bull point	14	T 1600
		18	T 1601
		24	T 1602
2	flat chisel	14	T 1608
		18	T 1603
		24	T 1604
3	clay spade	16	T 1605
4	asphalt spade	11	T 1606
5	wedge	12	T 1607
6	tamping plate	—	T 1615
7	shank for tamping plate	8 1/2	T 1616
8	ground rod driver	5/8" & 3/4" rods	T 1609
		1 1/8" rods	T 1610

### HAMMERS BREAKERS

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### HIGH CYCLE BREAKERS GENERATORS

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### HAMMER DRILLS

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### DRILLS

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### CIRCULAR SAWS

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### PLANERS BELT SANDERS

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### JIG SAWS

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### FOAM RUBBER, AND CARPET CUTTERS

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### GRINDERS POLISHERS SANDERS

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### SHEARS NIBBLERS

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### IMPACT WRENCHES

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### SCREWDRIVERS TAPPERS

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### TAMPER

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### AIR TOOLS

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### SERVICE CENTERS

### INSIDE BACK COVER



# Hammers, Breakers

## HAMMERS BREAKERS

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## HIGH CYCLE BREAKERS GENERATORS

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## HAMMER DRILLS

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## DRILLS

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## CIRCULAR SAWS

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## PLANERS BELT SANDERS

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## FOAM RUBBER, AND CARPET CUTTERS

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## GRINDERS POLISHERS SANDERS

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## SHEARS NIBBLERS

40-43

## IMPACT WRENCHES

44-45

## SCREWDRIVERS TAPPERS

46-48

## TAMPER

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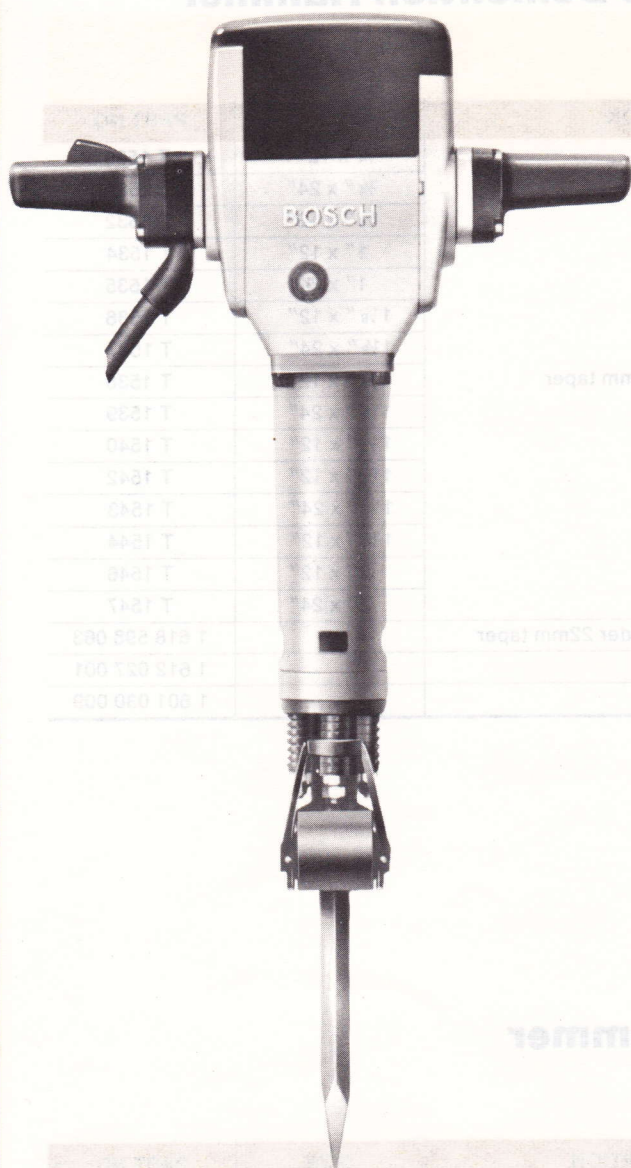
## AIR TOOLS

50-53

## SERVICE CENTERS

## INSIDE BACK COVER

## 12309 High Cycle Breaker



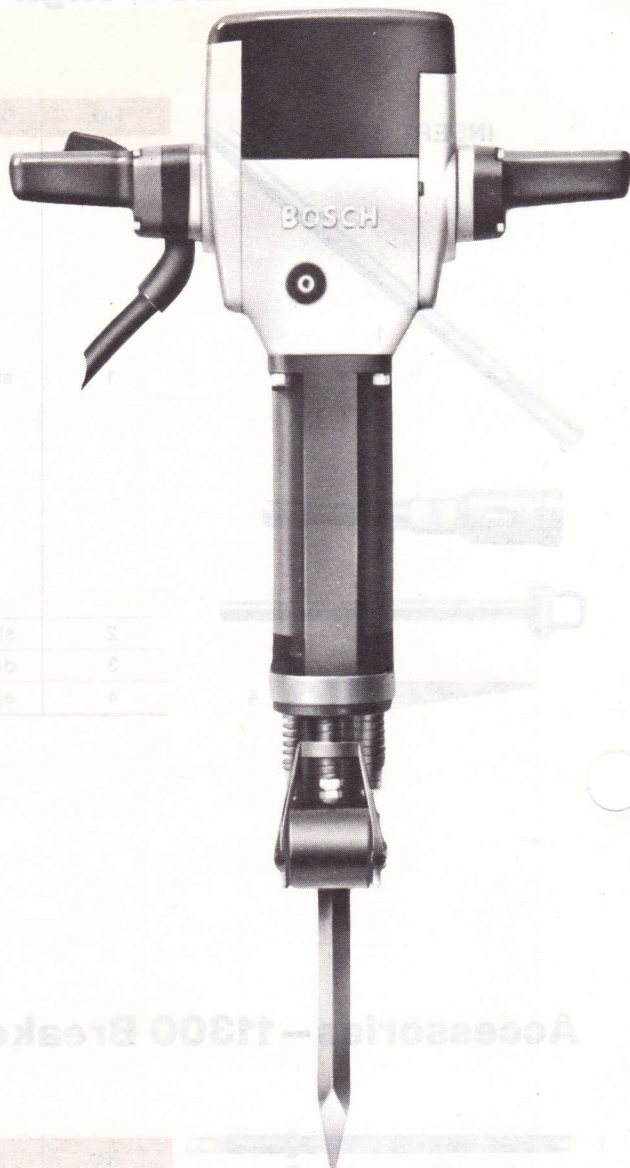
### The Big One



#### MODEL 12309, HIGH CYCLE BREAKER

- Heavy duty applications on all demolition jobs
- Shock absorbing handles
- Economical operation—low initial and maintenance cost
- Equipped with safe internal tool retainer
- Can be used with 1 1/4" hex steel for internal or external lock—for maximum safety, our internal lock steel is recommended.
- **SPECIFICATIONS:**  
230 Volts, 180 Cycles, 51 ft. lbs. impact energy, 1060 impacts per minute, 55 lbs., 31 1/2" long

## 12307 High Cycle Breaker



### The Bigger One



#### MODEL 12307, HIGH CYCLE BREAKER














- Super heavy duty—high impact force
- Shock absorbing handles
- Economical operation—low initial and maintenance cost
- Equipped with safe internal tool retainer
- Can be used with 1 1/4" hex steel for internal or external lock—for maximum safety, our internal lock steel is recommended.
- **SPECIFICATIONS:**  
230 Volts, 180 Cycles, 72 ft. lbs. impact energy, 1060 impacts per minute, 85 lbs., 31 1/2" long

ACCESSORIES SHOWN ON PAGE 15





## Accessories—12309, 12307 High Cycle Breakers

	DESCRIPTION	OVERALL LENGTH	1 1/8" HEX SHANK FOR 12309 (SAFETY INTERNAL LOCK)	1 1/4" HEX SHANK FOR 12307 (SAFETY INTERNAL LOCK)
	Moil Point	16 1/2" 20 1/2"	T 2110 T 2111	T 2130 T 2131
	Narrow Chisel	16 1/2" 20 1/2"	T 2112 T 2113	T 2132 T 2133
	Wide Chisel	20 1/2" x 3"	T 2114	T 2134
	Superkut Chisel	16 1/2" 20 1/2"	T 2115 T 2116	T 2135 T 2136
	Asphalt Cutter	16 1/2" x 5"	T 2117	T 2137
	Digging Chisel	21 1/2" x 3"	T 2118	T 2138
	Clay Spade	16 1/2" x 5 1/2"	T 2119	T 2139
	Frost Wedge	20 1/2"	T 2120	T 2140
	Spike/Pin Driver	17 1/2"	T 2121	T 2141
	Ground Rod Driver	17 1/2"	T 2122	T 2142
	Tamping Shank	14 1/2"	T 2123	T 2143
	Tamping Plate	6" x 6" 8" x 8"	T 2124 T 2125	T 2124 T 2125
	Stake Driver	14 1/4" x 2" 14 1/4" x 2 1/4" 14 1/4" x 2 1/2"	— — —	T 2147 T 2148 T 2146

## 12311 High Cycle Demolition Hammer



### 12311 HIGH CYCLE DEMOLITION HAMMER

- Increased power and constant speed due to greater efficiency of high cycle motor.
- Heavy duty, dependable performance for chipping, chiseling, digging, form vibrating, tamping and roughing.
- Air cushion impact system assures long life, low maintenance costs.
- Shock mounted handle reduces vibration and operator fatigue.
- Quick change, cam-action safety tool retainer for ease in changing insert tools.
- Grease pack eliminates nuisance of job site lubrication.
- Supplied with carrying case, bull point, wrench.
- Capacity: 2" star drill—handles wide assortment of points, chisels, gouges, spades, tampers, bushing tools and ground rod adapters.
- **SPECIFICATIONS:**  
230 Volts, 180 Cycles  
20.5 lbs., 23" long  
1,550 blows per minute

ACCESSORIES SHOWN ON PAGE 13

### HAMMERS BREAKERS

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### HIGH CYCLE BREAKERS GENERATORS

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### HAMMER DRILLS

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### DRILLS

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### CIRCULAR SAWS

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### PLANERS BELT SANDERS

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### JIG SAWS

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### FOAM RUBBER, AND CARPET CUTTERS

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### GRINDERS POLISHERS SANDERS

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### SHEARS NIBBLERS

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### IMPACT WRENCHES

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### SCREWDRIVERS TAPPERS

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### TAMPER

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### AIR TOOLS

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### SERVICE CENTERS

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HAMMERS  
BREAKERS

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HIGH CYCLE  
BREAKERS  
GENERATORS

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HAMMER  
DRILLS

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FOAM RUBBER,  
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IMPACT  
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SCREWDRIVERS  
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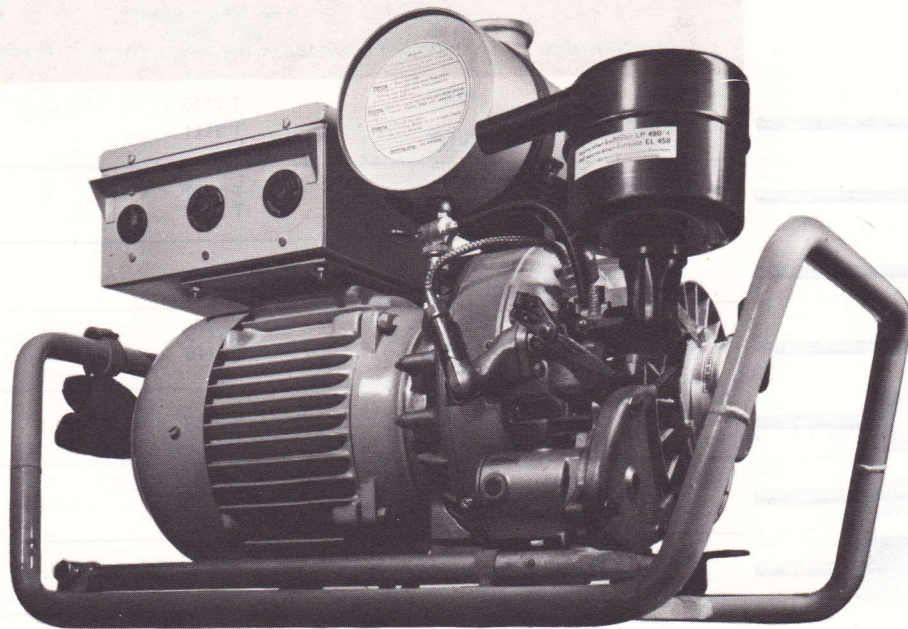
AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

## High Cycle Generators



### 603 008 Wankel

- Self recoiling starter
- Automatic throttle for convenience and economy
- Easy to start, easy to operate
- Wankel engine is low in noise, low in initial and maintenance cost—high in torque, power to weight ratio and in steady voltage output!
- Two outlets for three phase, 230V, 180 cycle, 13.0 amps and one outlet for single phase, 115V—DC, 9.0 amps
- Overload protection

#### • SPECIFICATIONS:

28" length, 19" width, 20" height, 145 lbs., 6.5 HP, 3600 RPM, gasoline mix 50 to 1

Fuel tank capacity: 1 gal.

Fuel consumption: 3/4 gal. at full load per hour

Interference suppressed

3.5 KVA — COS. PHI. 0.8, 3000 watts

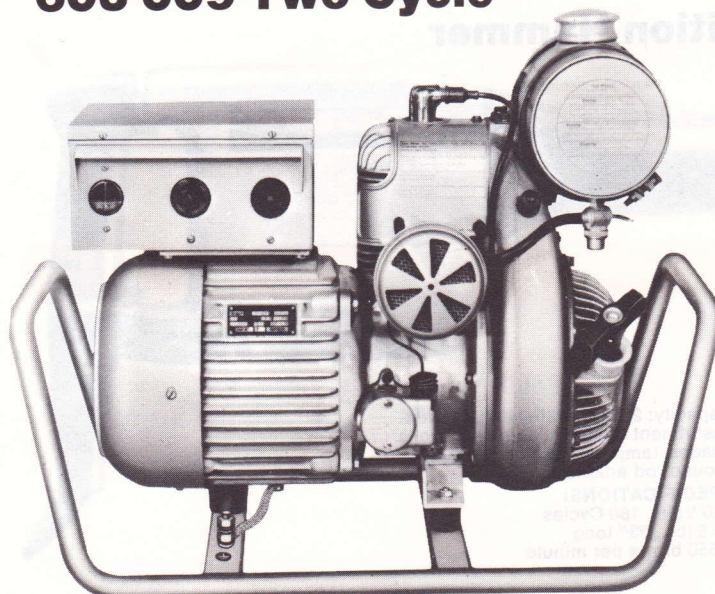
Frequency reg.  $\pm$  %

voltage reg.  $\pm$  7%

Circuit breaker

Noise level: engine 75 db(A)

### 603 009 Two Cycle



- Self recoiling starter
- Automatic throttle for convenience and economy
- Easy to start, easy to operate
- Two cycle engine—low maintenance
- Two outlets for three phase, 230V, 180 cycle, 13.0 amps, one outlet for 115V—DC, 9.0 amps
- Overload protection

#### • SPECIFICATIONS:

28" length, 19" width, 21 1/2" height, 150 lbs., 6.8 HP, 3600 RPM, gasoline mix 25 to 1

Fuel tank capacity: 1 gal.

Fuel consumption: 3/4 gal. at full load per hour

Interference suppressed

3.5 KVA — COS. PHI. 0.8, 3000 watts

Frequency reg.  $\pm$  5%, voltage reg.  $\pm$  7%

Circuit breaker

Noise level: engine 83 db(A)

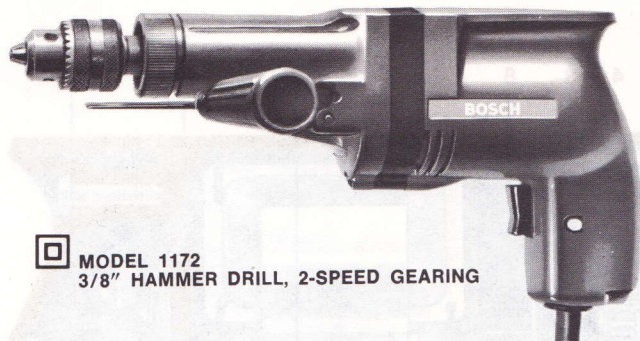


# Hammer Drills

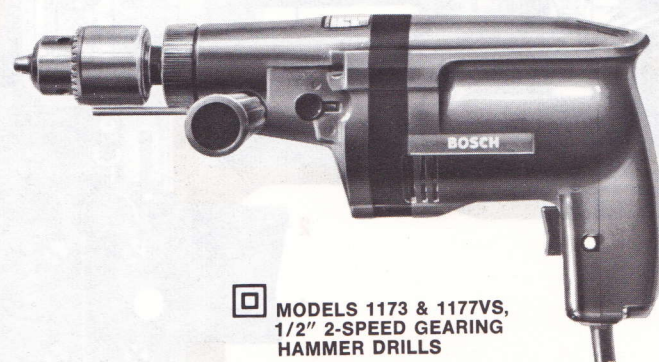
Double Insulated



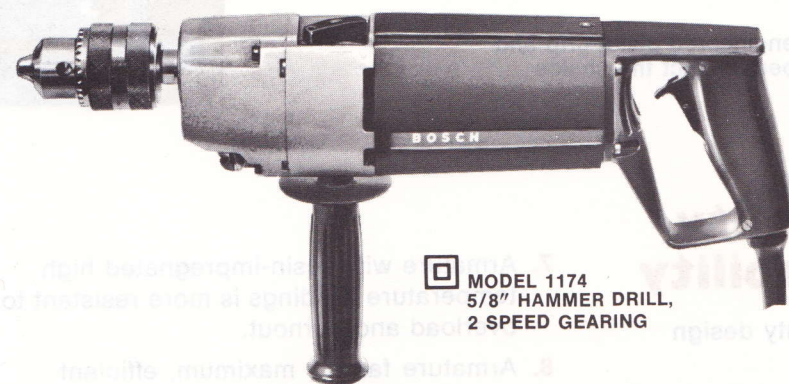
## 1172, 1173, 1177VS, 1174 Hammer Drills



**MODEL 1172**  
3/8" HAMMER DRILL, 2-SPEED GEARING



**MODELS 1173 & 1177VS,**  
1/2" 2-SPEED GEARING  
HAMMER DRILLS



**MODEL 1174**  
5/8" HAMMER DRILL,  
2 SPEED GEARING

### **MODEL 1172, 3/8" HAMMER DRILL,** 2-SPEED GEARING

- 2-speed gearing
  - Low Gear — 1200 RPM, 24,000 BPM
  - High Gear — 2600 RPM, 52,000 BPM
- Capacity of 1/2" in concrete, 3/8" in steel
- **SPECIFICATIONS:**  
115V-AC, 4.4 lbs., 11 3/8" long  
3/8" chuck

### **MODELS 1173 & 1177VS, 1/2"** HAMMER DRILLS, 2-SPEED GEARING

- Model 1173 offers two tools in one
  - Low Gear — 1500 RPM, 31,000 BPM
  - High Gear — 3300 RPM, 67,500 BPM
- Model 1177VS combines 2-speed feature with added versatility of variable speed trigger control
  - Low Gear — 0-1500 RPM,  
0-31,500 BPM
  - High Gear — 0-3300 RPM,  
0-67,500 BPM
- Capacity of 3/4" in concrete, 1/2" in steel
- **SPECIFICATIONS:**  
115V-AC, 4.8 lbs., 12 3/8" long.  
1/2" chuck

### **MODEL 1174, 5/8" HAMMER DRILL,** 2-SPEED GEARING

- 2-speed gearing
  - Low Gear — 500 RPM, 11,000 BPM
  - High Gear — 1100 RPM, 24,000 BPM
- Capacity of 1 1/4" in concrete, 5/8" in steel.
- **SPECIFICATIONS:**  
115V-AC, 9 lbs., 20" long.  
5/8" chuck

## CARBIDE TIPPED PERCUSSION HAMMER DRILL BITS



PART NO.	OVERALL DIAMETER	SHANK LENGTH	SHANK DIAMETER	PART NO.	OVERALL DIAMETER	SHANK LENGTH	SHANK DIAMETER	DESCRIPTION	FOR MODEL NO.	PART NO.
T 2400	1/8"	3"	1/8"	T 2409	7/16"	6"	3/8"	Carrying Case	1172, 1173, 1177VS 1174	2 605 438 002 1 605 438 007
T 2401	3/16"	3"	3/16"	T 2410	1/2"	6"	3/8"	Side Handle	1172, 1173, 1177VS 1174	2 602 025 023 1 602 025 022
T 2402	1/4"	4"	1/4"	T 2419	1/2"	12"	3/8"			
T 2403	1/4"	6"	1/4"	T 2411	5/16"	6"	1/2"	Depth Gauge	1172, 1173, 1177VS 1174	2 607 010 001 2 607 010 002
T 2404	5/32"	4"	5/32"	T 2412	5/8"	6"	1/2"			
T 2405	3/16"	4"	3/16"	T 2413	1 1/16"	6"	1/2"	Depth Gauge	1174	1 603 001 002
T 2406	5/16"	6"	5/16"	T 2414	3/4"	6"	1/2"			
T 2407	3/8"	4"	3/8"	T 2415	7/8"	6"	5/8"	Gauge Holder	1174	1 608 040 089
T 2408	3/8"	6"	3/8"	T 2416	1"	6"	5/8"			
T 2418	3/8"	12"	3/8"	T 2417	1 1/4"	6"	5/8"	Drill Stand	1174	0 601 999 001

HAMMERS  
BREAKERS

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HIGH CYCLE  
BREAKERS  
GENERATORS

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HAMMER  
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DRILLS

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CIRCULAR  
SAWS

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PLANERS  
BELT  
SANDERS

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JIG SAWS

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FOAM RUBBER,  
AND CARPET  
CUTTERS

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GRINDERS  
POLISHERS  
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WRENCHES

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AIR TOOLS

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GRINDERS  
POLISHERS  
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IMPACT  
WRENCHES

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SCREWDRIVERS  
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TAMPER

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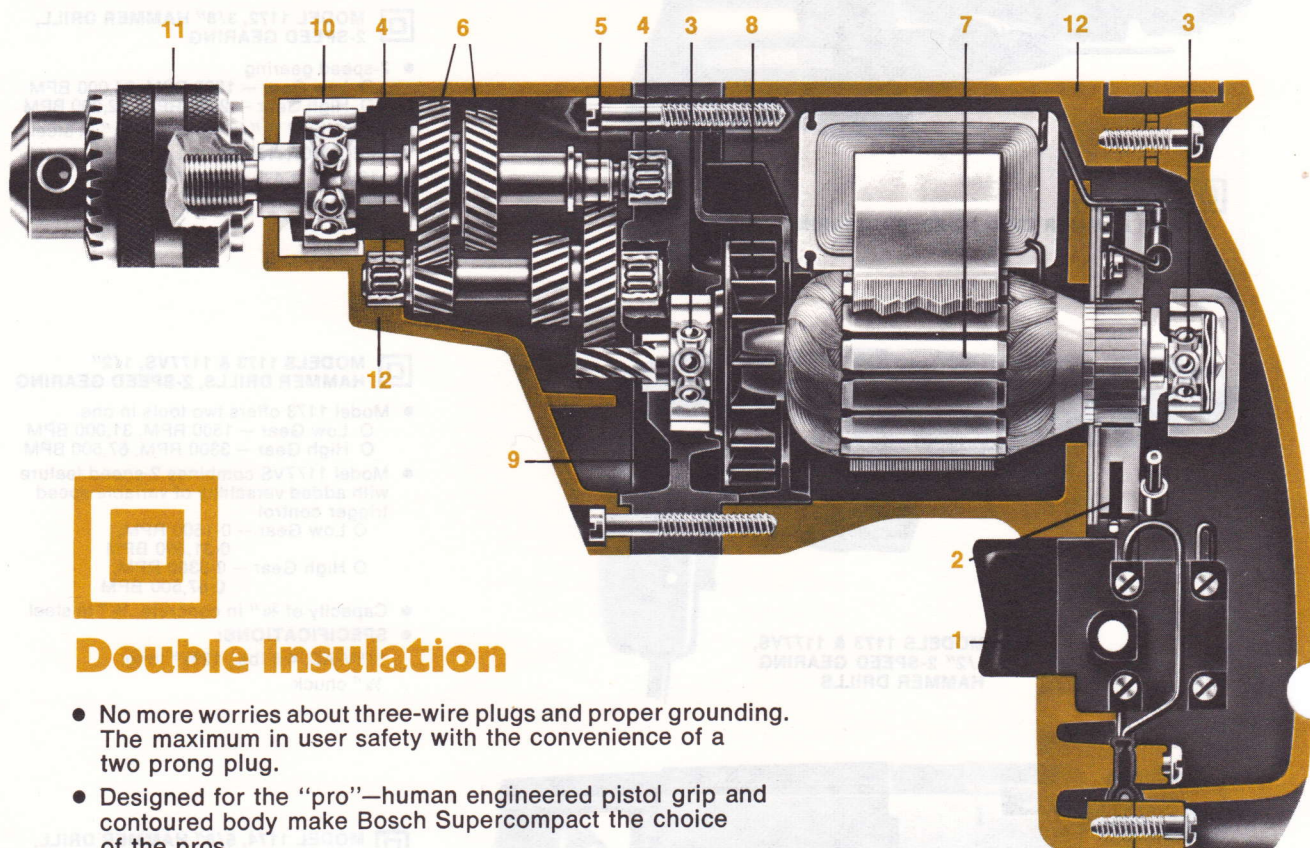
AIR TOOLS

50-53

SERVICE  
CENTERS

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## Double Insulated Compact Drills



### Double Insulation

- No more worries about three-wire plugs and proper grounding. The maximum in user safety with the convenience of a two prong plug.
- Designed for the "pro"—human engineered pistol grip and contoured body make Bosch Supercompact the choice of the pros.

### Precision built-quality, performance, durability

1. Two-pole trigger switch. Heavy duty design for safe and long life.
2. Carbon brushes and holder designed for minimum brush changes.
3. Quality ball bearings at maximum load points extend durability.
4. Quality needle bearings provide friction free transmission of power and efficiency.
5. Case-hardened precision cut helical gears designed for heavy duty work.
6. Selective gearing on two speed models provides maximum torque at both speeds.
7. Armature with resin-impregnated high temperature windings is more resistant to overload and burnout.
8. Armature fan for maximum, efficient motor cooling.
9. Insulated flange connecting motor and gear housing maintains electrical safety.
10. Steel-lined spindle collar for accurate and rugged bearing support.
11. Heavy duty precision chuck provides accurate drilling, and dependable bit grip.
12. High quality, impact resistant nylon glass fiber reinforced housing for rugged use and maximum electrical safety.





## 1151VSR, 1106, 1150R, 151VSR, 106—Drills



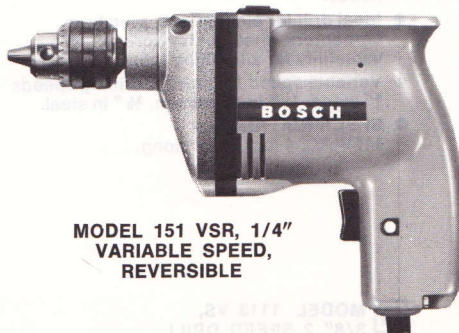
**MODEL 1151 VSR, 1/4"**  
**VARIABLE SPEED, REVERSIBLE**



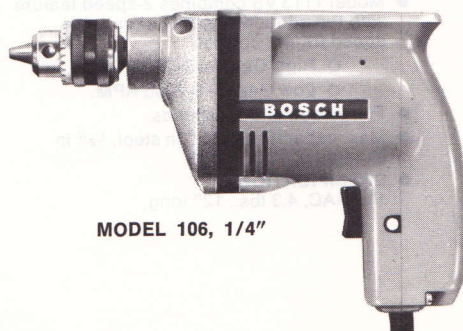
**MODEL 1106 1/4"**



**MODEL 1150 R, 1/4"**  
**REVERSIBLE**



**MODEL 151 VSR, 1/4"**  
**VARIABLE SPEED, REVERSIBLE**



**MODEL 106, 1/4"**

### MODEL 1151 VSR, 1/4" DRILL

- 0 to 1700 RPM.
- Variable speed for correct drilling speeds, 5/8" in wood, 3/8" in aluminum, 1/4" in steel.
- Reversible — screwdriver applications, removing stubborn drill bits, auger bits.
- Ideal drill for electricians, plumbers, carpenters, sheet metal work — full versatility for all drilling jobs.
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- **SPECIFICATIONS:**  
115V-AC, 2.5 lbs., 9 3/8" long.

### MODELS 1106 1/4" DRILL

- 1700 RPM-max. power and efficiency.
- Capacities of 5/8" in wood, 3/8" in aluminum, 1/4" in steel.
- **SPECIFICATIONS:**  
115V-AC, 2.5 lbs., 9 3/8" long.

### MODEL 1150 R, 1/4" DRILL

- 2800 RPM
- For sheetmetal and carpentry work: Light, fast, compact
- "Punches" clean sharp holes, without skidding or slipping
- **SPECIFICATIONS:**  
115V-AC, 2.5 lbs., 9 3/8" long.

### MODEL 151 VSR, 1/4" DRILL

- Variable speed and reversing features fill drilling and screwdriver needs.
- 0-1700 R.P.M. — Trigger speed controlled.
- Ideal, all around drill for the service trades.
- Capacities of 1/4" in steel, 3/8" in aluminum, 5/8" in wood.
- **SPECIFICATIONS:**  
115V-AC, 2.9 lbs., 9 3/8" long.

### MODELS 106, 1/4" DRILL

- Aluminum die-cast gear cases with rugged, polyamide housings and handles.
- 1700 RPM
- Capacities of 5/8" in wood, 3/8" in aluminum, 1/4" in steel.
- Outstanding value for rugged heavy duty applications.
- **SPECIFICATIONS:**  
115V-AC, 2.9 lbs., 9 3/8" long.

#### HAMMERS BREAKERS

5-13

#### HIGH CYCLE BREAKERS GENERATORS

14-16

#### HAMMER DRILLS

17

#### DRILLS

18-23

#### CIRCULAR SAWS

24

#### PLANERS BELT SANDERS

25

#### JIG SAWS

26-33

#### FOAM RUBBER, AND CARPET CUTTERS

34

#### GRINDERS POLISHERS SANDERS

35-39

#### SHEARS NIBBLERS

40-43

#### IMPACT WRENCHES

44-45

#### SCREWDRIVERS TAPPERS

46-48

#### TAMPER

49

#### AIR TOOLS

50-53

#### SERVICE CENTERS

#### INSIDE BACK COVER



# Drills

## HAMMERS BREAKERS

5-13

## HIGH CYCLE BREAKERS GENERATORS

14-16

## HAMMER DRILLS

17

## DRILLS

18-23

## CIRCULAR SAWS

24

## PLANERS BELT SANDERS

25

## JIG SAWS

26-33

## FOAM RUBBER, AND CARPET CUTTERS

34

## GRINDERS POLISHERS SANDERS

35-39

## SHEARS NIBBLERS

40-43

## IMPACT WRENCHES

44-45

## SCREWDRIVERS TAPPERS

46-48

## TAMPER

49

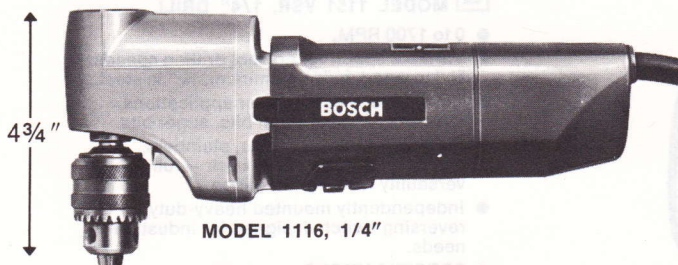
## AIR TOOLS

50-53

## SERVICE CENTERS

## INSIDE BACK COVER

## 1116, 1108VS, 1153VSR, 1113VS — Drills



MODEL 1116, 1/4"

### MODEL 1116 1/4" RIGHT ANGLE DRILL

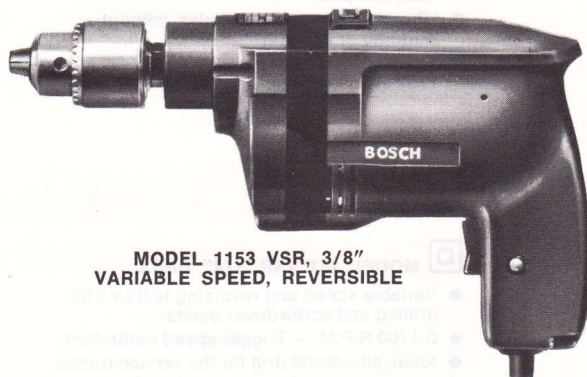
- Ideal for hard-to-get-at applications.
- Quality alloy bevel gearing, heat treated for continuous heavy duty use.
- Capacities: 1/4" in steel, 3/8" in aluminum, 1/2" in wood.
- **SPECIFICATIONS:**  
1250 RPM, 115V-AC, 3 lbs., 11 1/2" long.



MODEL 1108 VS, 3/8"  
2 SPEED, VARIABLE

### MODEL 1108 VS, 3/8" 2 SPEED DRILL

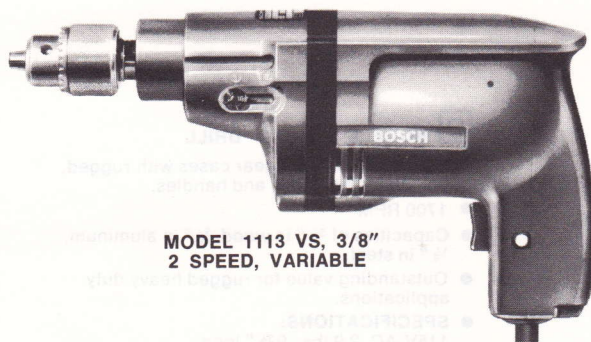
- Variable trigger speed control.
- MODEL 1108 offers two tools in one:
  - High Gear — 0-2200 RPM.
  - Low Gear — 0-1400 RPM.
- Full torque at both speeds.
- Max. capacities of 3/8" in steel, 1/2" in aluminum, 3/4" in wood.
- **SPECIFICATIONS:**  
115V-AC, 3.3 lbs., 10 5/8" long.



MODEL 1153 VSR, 3/8"  
VARIABLE SPEED, REVERSIBLE

### MODEL 1153 VSR, 3/8" DRILL

- Variable speed, reversible.
- 0 to 1000 RPM.
- Reversible-screwdriver applications removing stubborn drill bits, auger bits.
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- Ideal drill for electricians, plumbers, carpenters, sheet metal work — full versatility for all drilling jobs.
- Variable speed for correct drilling speeds — 1" wood, 1/2" in aluminum, 3/8" in steel.
- **SPECIFICATIONS:**  
115V-AC, 4 lbs., 11 1/2" long.



MODEL 1113 VS, 3/8"  
2 SPEED, VARIABLE

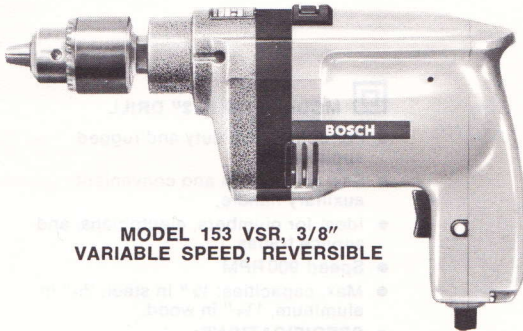
### MODEL 1113 VS, 3/8" 2 SPEED DRILL

- Model 1113 VS combines 2-speed feature with the added versatility of variable speed trigger control.
  - High Gear — 0-2500 RPM.
  - Low Gear — 0-1000 RPM.
- Full torque at both speeds.
- Max. capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**  
115V-AC, 4.3 lbs., 12" long.

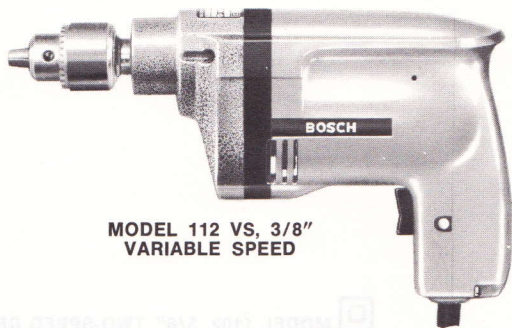




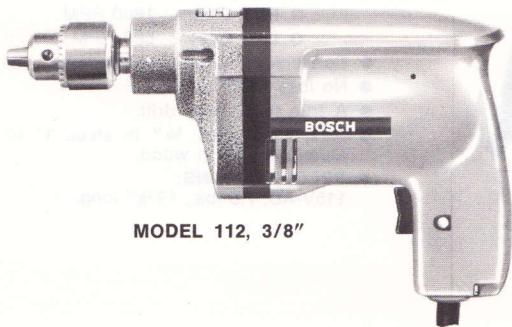
## 153VSR, 112VS, 112, 111, 1117VS, 1154R—Drills



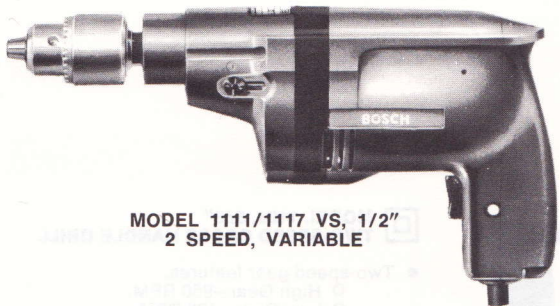
**MODEL 153 VSR, 3/8"**  
**VARIABLE SPEED, REVERSIBLE**



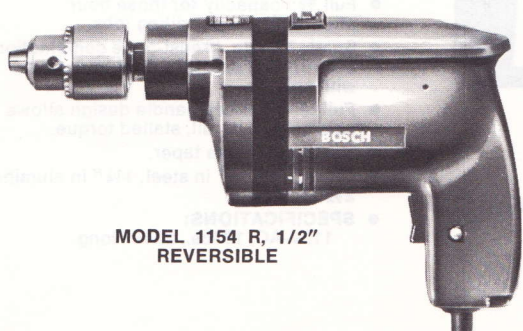
**MODEL 112 VS, 3/8"**  
**VARIABLE SPEED**



**MODEL 112, 3/8"**



**MODEL 1111/1117 VS, 1/2"**  
**2 SPEED, VARIABLE**



**MODEL 1154 R, 1/2"**  
**REVERSIBLE**

### MODEL 153 VSR, 3/8" DRILL

- Variable speed, reversible.
- Screwdriver applications.
- Independently mounted reversing switch.
- 0-1000 RPM.
- Variable speed for correct drilling.
- Capacities of 1" in wood, 1/2" in aluminum, 3/8" in steel.
- Ideal all around drill.
- **SPECIFICATIONS:**  
115V-AC, 4.4 lbs., 11 1/2" long.

### MODEL 112 VS, 3/8" DRILL

- Variable trigger speed control.
- 0-1000 RPM.
- Capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**  
115V-AC, 4.4 lbs., 11" long.

### MODEL 112, 3/8" DRILL

- Single speed model.
- Speed 1000 RPM.
- Capacities of 3/8" in steel, 1/2" in aluminum, 1" in wood.
- **SPECIFICATIONS:**  
115V-AC, 4.4 lbs., 11" long.

### MODEL 1111 & 1117 VS, 1/2" 2 SPEED DRILL

- Model 1111 offers two tools in one.
  - High Gear — 1600 RPM.
  - Low Gear — 800 RPM.
- Full torque at both speeds.
- Model 1117 VS combines 2-speed feature with the added versatility of variable speed trigger control.
  - High Gear — 0-1600 RPM.
  - Low Gear — 800 RPM.
- Full torque at both speeds.
- Max. Capacities of 1/2" in steel, 3/4" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**  
115V-AC, 4.3 lbs., 12" long.

### MODEL 1154 R, 1/2" DRILL

- 800 RPM, Reversing
- Independently mounted heavy-duty reversing switch designed for industrial needs.
- Capacities of 1/2" in steel, 3/4" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**  
115V-AC, 4.2 lbs., 11 1/2" long.

**HAMMERS  
BREAKERS**

5-13

**HIGH CYCLE  
BREAKERS  
GENERATORS**

14-16

**HAMMER  
DRILLS**

17

**DRILLS**

18-23

**CIRCULAR  
SAWS**

24

**PLANERS  
BELT  
SANDERS**

25

**JIG SAWS**

26-33

**FOAM RUBBER,  
AND CARPET  
CUTTERS**

34

**GRINDERS  
POLISHERS  
SANDERS**

35-39

**SHEARS  
NIBBLERS**

40-43

**IMPACT  
WRENCHES**

44-45

**SCREWDRIVERS  
TAPPERS**

46-48

**TAMPER**

49

**AIR TOOLS**

50-53

**SERVICE  
CENTERS**

**INSIDE  
BACK COVER**



### HAMMERS BREAKERS

5-13

### HIGH CYCLE BREAKERS GENERATORS

14-16

### HAMMER DRILLS

17

### DRILLS

18-23

### CIRCULAR SAWS

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34

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35-39

### SHEARS NIBBLERS

40-43

### IMPACT WRENCHES

44-45

### SCREWDRIVERS TAPPERS

46-48

### TAMPER

49

### AIR TOOLS

50-53

### SERVICE CENTERS

### INSIDE BACK COVER

## 1119, 1102, 1103—Heavy Duty Drills



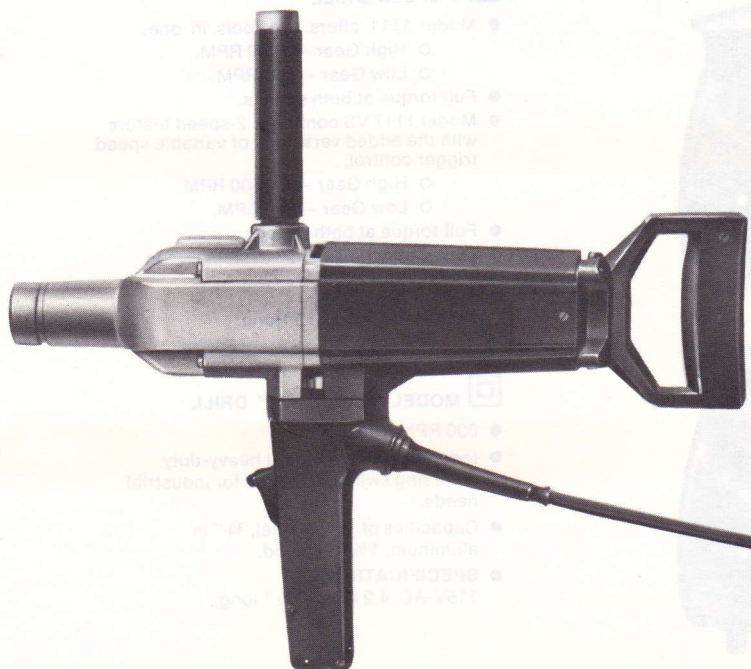
### MODEL 1119, 1/2" DRILL

- For continuous duty and rugged applications.
- Saw grip design and convenient auxiliary handle.
- Ideal for plumbers, electricians, and service trades.
- Speed 900 RPM
- Max. capacities: 1/2" in steel, 3/8" in aluminum, 1 1/4" in wood.
- **SPECIFICATIONS:**  
115V-AC, 5.6 lbs., 16 1/4" long.



### MODEL 1102, 5/8" TWO-SPEED DRILL

- Two-speed gear features.
  - High Gear — 1800 RPM.
  - Low Gear — 600 RPM.
- Convenient speed selector lever.
- No loss in torque.
- A true two-in-one drill.
- Max. Capacities: 5/8" in steel, 1" in aluminum, 2" in wood.
- **SPECIFICATIONS:**  
115V-AC, 7.5 lbs., 19 3/8" long.



### MODEL 1103, 5/8" TWO-SPEED CROSS HANDLE DRILL

- Two-speed gear features.
  - High Gear—950 RPM.
  - Low Gear—400 RPM.
- Full 5/8" capacity for those hour after hour, tough drilling jobs.
- Spade handle, breast-plate combination puts drilling pressure directly in line with spindle.
- Full length cross handle design allows safe control of full, stalled torque.
- Number 2 Morse taper.
- Capacities: 5/8" in steel, 1 1/4" in aluminum, 2 1/2" in wood.
- **SPECIFICATIONS:**  
115V-AC, 10 lbs., 22 3/4" long.



## Accessories—Drills

DRILL CHUCK (1) HAMMER DRILL CHUCK (2) KEYLESS CHUCK (3)



### DRILL CHUCKS — GEARED — STANDARD

FOR MODEL NO.	CAPACITY	SPINDLE THREAD	CHUCK TYPE	CHUCK WITH KEY PART NO.	KEY ONLY PART NO.
106	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
112	3/8"	1/2"—20NF	1	1 608 571 005	1 607 950 027
112VS	3/8"	1/2"—20NF	1	1 608 571 005	1 607 950 027
151VSR	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
153VSR	3/8"	1/2"—20NF	1	1 608 571 030	1 607 950 027
1102	5/8"	B-16 (Taper)		1 608 571 003	1 607 950 026
1103*	5/8"	B-16 (Taper)		1 608 571 003	1 607 950 026
1106	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
1108VS	3/8"	3/8"—24NF	1	1 608 571 020	1 607 950 027
1111	1/2"	1/2"—20NF	1	1 608 571 022	1 607 950 027
1113VS	3/8"	1/2"—20NF	1	1 608 571 005	1 607 950 027
1116	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
1117VS	1/2"	1/2"—20NF	1	1 608 571 022	1 607 950 027
1119	1/2"	1/2"—20NF	1	1 608 571 022	1 607 950 027
1150R	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
1151VSR	1/4"	3/8"—24NF	1	1 608 571 023	1 607 950 027
1153VSR	3/8"	1/2"—20NF	1	1 608 571 030	1 607 950 027
1154R	1/2"	1/2"—20NF	1	1 608 571 031	1 607 950 026

\*USE SHANK 1 603 115 002 AS ADAPTER FROM MORSE TAPER 11 TO B16 TAPER.

### HAMMER DRILL CHUCKS — GEARED — STANDARD

FOR MODEL NO.	CAPACITY	SPINDLE THREAD	CHUCK TYPE	CHUCK WITH KEY PART NO.	KEY ONLY PART NO.
1172	3/8"	1/2"—20NF	2	1 608 571 005	1 607 950 027
1173	1/2"	1/2"—20NF	2	1 608 571 028	1 607 950 027
1174	5/8"	5/8"—20NF	2	1 608 571 016	1 607 950 026
1177VS	1/2"	1/2"—20NF	2	1 608 571 028	1 607 950 027

### DRILL CHUCKS — GEARED — HIGH PRECISION, KEYLESS

FOR MODEL NO.	CAPACITY	CHUCK TYPE	SPINDLE THREAD	ORDER NO.
(Select correct chuck by capacity and spindle thread from above chart)	5/16"	3	3/8"—24NF	2 608 572 002
	3/8"	3	1/2"—20NF	1 608 572 007
	1/2"	3	1/2"—20NF	1 608 572 009
	5/8"	3	B-16 (Taper)	1 608 572 006

DESCRIPTION	FOR MODEL NO.	PART NO.	DESCRIPTION	FOR MODEL NO.	PART NO.
Reducing sleeve from Morse Taper 2 to 1	1103	1 608 598 028	Clamp for drills used on drill stand	1101, 1102, 1103, 1119	1 602 329 008
Adapter shank from Morse Taper 2 to B16 Taper, for drill chuck	1103	1 603 115 002	<b>DRILL STANDS</b>		
Angle adapter for side handle	1101, 1102, 1119	1 603 527 017			
Side handle*	106, 112, 151VSR, 153VSR, 1106, 1108VS, 1111, 1113, 1117, 1150R, 1151VSR, 1153VSR, 1154R	2 602 025 008	FOR MODEL NO.	HEIGHT	RADIAL CLEAR-ANCE
Side handle	1101, 1102, 1119	1 602 025 022	STROKE	BASE SIZE	PART NO.
			All pistol grip drills*	17 3/4"	3 1/2"
				2 3/8"	6 3/4" x 6"
				0 603 040 100	
			1101, 1102, 1103, 1119	27 1/2"	6 1/2"
				4 3/4"	8" x 8"
					1 608 180 004

\*For use with 106, 151VSR, 1106, 1108VS, 1150R, 1151VSR Order Reducing Collar 1 600 220 023

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



HAMMERS  
BREAKERS

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HIGH CYCLE  
BREAKERS  
GENERATORS

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HAMMER  
DRILLS

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DRILLS

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SAWS**

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SERVICE  
CENTERS

INSIDE  
BACK COVER

## 1554, 1553—Circular Saws

### FEATURES FOR ALL CIRCULAR SAWS

- Burn-out-resistant motor.
- Exclusive **anti-pinch splitter** — prevents blade binding, provides additional safety.
- Blade clutch protects motor and guards against kickback.
- Strong dust blower keeps cutting line visible.
- $\frac{5}{8}$ " round arbor.
- Bevel adjustment from 0 to 45°.
- High torque motor maintains cutting speed under heavy load.
- **Storage on tool for blade wrench.**



#### 8 1/4" CIRCULAR SAW, MODEL 1554

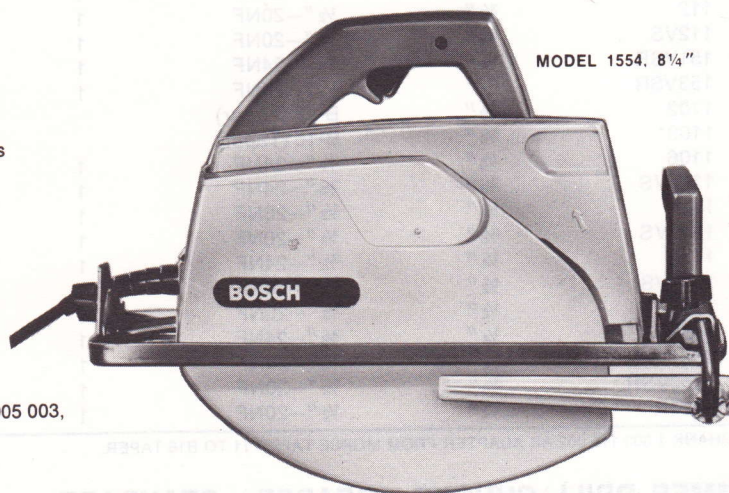
- Dual controls for depth and bevel adjustments give maximum stability, accuracy, and safety.
- Heavy gauge, stamped, wrap-around shoe withstands abuse and maintains stability.
- Super heavy duty, double pole switch.
- Super heavy duty, adjustable rip fence.
- All ball and needle bearings.

#### SPECIFICATIONS:

RPM (no load)	4,000
Peak H.P. (at arbor)	1.86
Weight (lbs.)	16.0
Volts	115 A/C
Maximum Depth of cut at 90°	2 1/8"
Maximum Depth of cut at 45°	1 3/4"

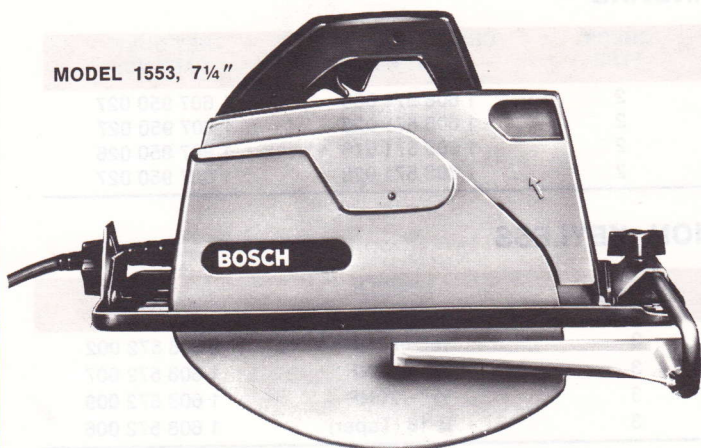
#### Supplied with:

Combination Blade #T 2360, Blade Wrench #1 689 005 003,  
Rip Fence #1 609 281 000,  
Auxiliary Handle #1 609 220 001



MODEL 1554, 8 1/4"

MODEL 1553, 7 1/4"



#### 7 1/4" CIRCULAR SAW, MODEL 1553

- Dual controls for depth and bevel adjustments give maximum stability, accuracy, and safety.
- Heavy gauge, stamped, wrap-around shoe withstands abuse and maintains stability.
- Super heavy duty, double pole switch.
- Super heavy duty, adjustable rip fence.
- All ball and needle bearings.

#### SPECIFICATIONS:

RPM (no load)	4,000
Peak H.P. (at arbor)	1.48
Weight (lbs.)	13.0
Volts	115 A/C
Maximum Depth of cut at 90°	2 3/8"
Maximum Depth of cut at 45°	1 1/8"

#### Supplied with:

Combination Blade #T 2320, Blade Wrench #1 689 005 003,  
Rip Fence #1 609 281 000

### CIRCULAR SAW BLADES—5/8" ARBOR



#### COMBINATION — CHISEL TOOTH

Designed for general use ripping and cross-cutting, fast, smooth, long life.



#### PLYWOOD — HOLLOW GROUND

Resists binding, splintering and glue or resin build-up.



#### PLANER — HOLLOW GROUND

Exceptionally smooth finish when ripping or cross-cutting.

BLADE SIZE	PART NO.	BLADE SIZE	PART NO.	BLADE SIZE	PART NO.
6"	T 2300	6"	T 2301	6"	T 2302
7 1/4"	T 2320	7 1/4"	T 2321	7 1/4"	T 2322
7 1/2"	T 2340	7 1/2"	T 2341	7 1/2"	T 2342
8 1/4"	T 2360	8 1/4"	T 2361	8 1/4"	T 2362



# Planers, Belt Sander

**Double Insulated** 

## 1590, 590 Planers/1270 Belt Sander

### 3" x 16" PLANER, MODEL 1590

- Shoe plate and cutter assembly made of magnesium die cast for strength and light weight.
- Cutter head supported by ball and needle bearing for long life and accuracy.

#### SPECIFICATIONS:

Width of cut	3"	Peak H.P.	1.45
Depth of cut	0 - 1/8"	Length	16"
RPM (no load)	13,000	Weight (lbs.)	12.6
VOLTS	115 A/C	Rabbeting depth	0 - 1"

#### Supplied with:

Wrench	1 609 279 001
Adjustable rabbeting & edge guide	(1 609 280 039 1 609 280 038)
Cutter (2 required)	1 609 286 054

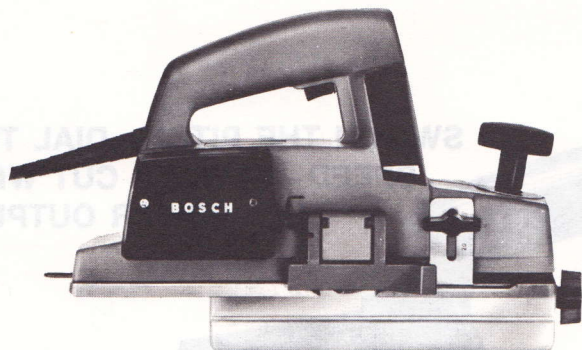
#### Optional:

Carbide cutter (2 required)	1 609 286 055
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## FEATURES FOR BOTH PLANERS

- Double insulated.
- For rabbeting, edging, and surface planing.
- Motor housing and handle made of fiberglass, re-inforced polyamide.
- Exclusive, accurate, sturdy and easily mounted rabbeting and edge guide attachment, adjustable 0 - 45°.
- Cutter head driven by cog belt drive providing quiet, trouble-free performance.
- Auxiliary grip (round knob) also serves as easy depth adjuster.
- Chip deflector adjustable for right or left ejection.
- All ball bearings.
- Convenient storage on tool for wrench.



### 3" x 12" PLANER, MODEL 590

- Shoe plate and cutter assembly are made of aluminum die cast for long life.

#### SPECIFICATIONS:

Width of cut	3"	Peak H.P.	1.0
Depth of cut	0 - 5/8"	Length	12"
RPM (no load)	13,000	Weight (lbs.)	7.7
Volts	115 A/C	Rabbeting depth	0 - 1"

#### SUPPLIED WITH:

Wrench	1 609 279 001
Adjustable rabbeting and edge guide	(1 609 200 058 1 609 200 054)
Cutter (2 required)	1 609 286 054

#### Optional:

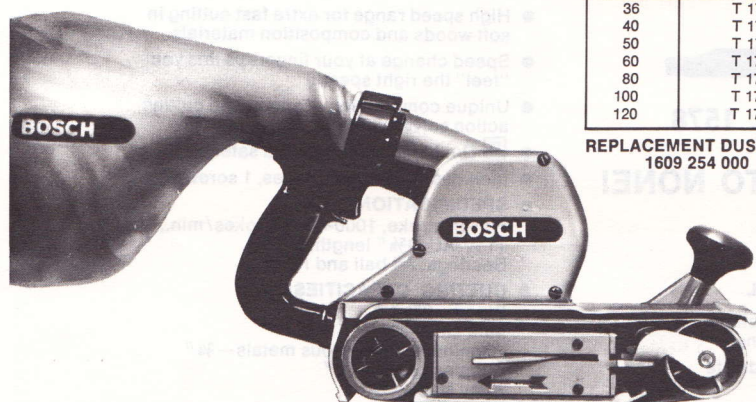
Carbide cutter (2 required)	1 609 286 055
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## Two Speed Belt Sander

### SANDING BELTS AVAILABLE

GRIT	PART NO.
36	T 1700
40	T 1701
50	T 1702
60	T 1703
80	T 1704
100	T 1705
120	T 1706

REPLACEMENT DUST BAG  
1609 254 000



### MODEL 1270, 4" BELT SANDER

- Designed for continuous industrial operation—for wood or metal.
- 2-Speed—Select the correct speed and belt for maximum efficiency.
  - Belt Speed I, 1300 SFPM
  - Belt Speed II, 1450 SFPM
- Integral vacuum dust pick-up for clean, dust-free operation.
- Quick and easy belt removal and tracking adjustment.
- Supplied with 3 sanding belts, 60, 80, 100 grit.
- SPECIFICATIONS:
  - 115V-AC, 18 Lbs., 14 5/8" Long.
  - Belt Size: 4" x 24".

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Jig Saws

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS


50-53

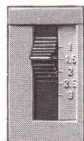
SERVICE  
CENTERS

INSIDE  
BACK COVER

## 1578 Jig Saw—Electronic Speed Control



This is the only jig saw on the market which combines the following features into one handy, lightweight, well-balanced, Double Insulated  tool:

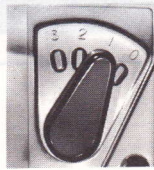


Blade Speed Control at constant full torque lets you dial any speed between 1,000 and 3,000 strokes per minute — this means that you can cut through alloys, stainless

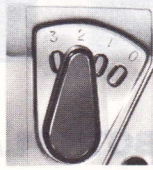
steel, glass, ceramic tile with ease and precision when using our unique, Carbide Grit coated RIFF—sawblades. (Available in two grits, see page 34!)



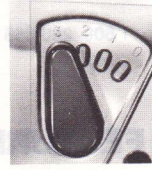
0 — STRAIGHT  
RECIPROCATING



1 — SMALLEST ORBIT



2 — MEDIUM ORBIT



3 — LARGEST ORBIT

Especially together with the Blade Lubricator (shown on page 32), you can go into a whole lot of "uncuttables" and achieve unbelievable cutting performance: Plexiglass, Fiberglass, Asbestos, Synthetics of all kinds — composite materials, plasterboard, countertops, hardboard.

For wood cutting, you can dial three different orbital cutting movements — for delicate cuts and work with tough materials, you can adjust the pitch selector to straight reciprocating action.




**SWITCH THE PITCH—DIAL THE  
SPEED—ALWAYS CUT WITH  
FULL POWER OUTPUT!**

**MODEL 1578  
SECOND TO NONE!**



**1578 JIG SAW—  
ELECTRONIC SPEED CONTROL**

- Now you can adjust the speed and blade orbit for perfect cutting combinations.
- Low speed range for increased blade life in most hard metals.

- High speed range for extra fast cutting in soft woods and composition materials.
- Speed change at your fingertips lets you "feel" the right speed.
- Unique combination of speed and cutting action solves your cutting problem.
-  Double insulated—extra safety.
- Includes: 4 assorted blades, 1 screwdriver.
- **SPECIFICATIONS:**  
Full 1" stroke, 1000-3000 strokes/min., 115V-AC, 9 5/8" length, 5.5 lbs.  
Bearings: All ball and roller
- **CUTTING CAPACITIES:**  
Wood—2 3/8"  
Mild steel—1/4"  
Aluminum, non-ferrous metals—3/4"  
Stainless steel—1/8"  
Alloy steel—1/8"



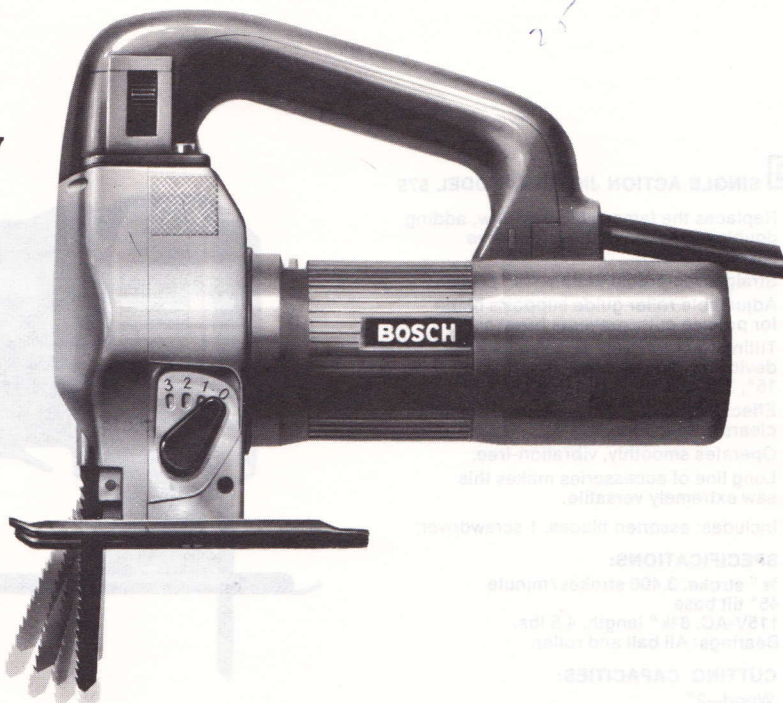


## 1577, 8554 Jig Saws



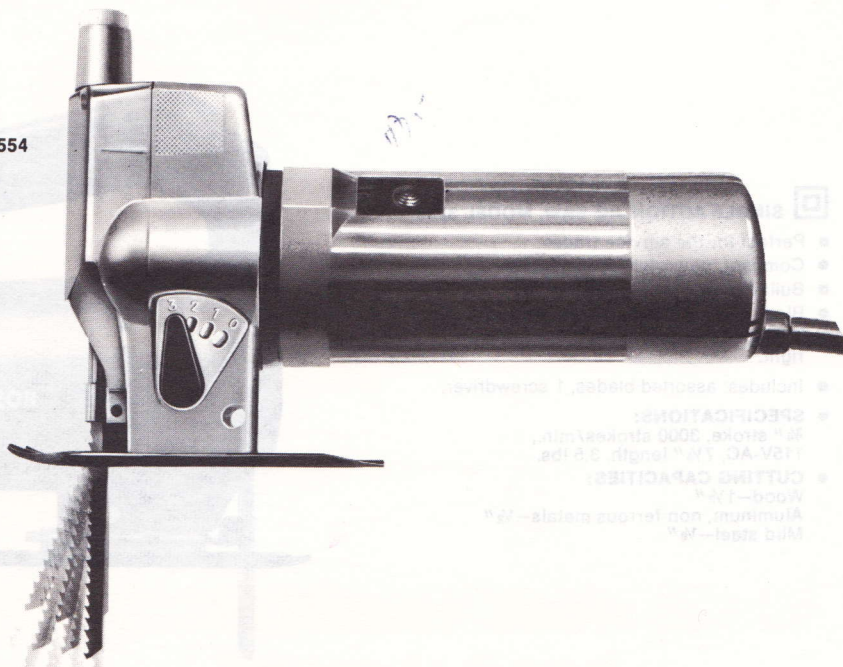
### ORBITAL ACTION JIG SAW, MODEL 1577

- Top handle design puts your hand over the work.
- All outstanding features of our famous Model 8554.
- Includes: 4 assorted blades, 1 screwdriver.
- **SPECIFICATIONS:**  
Full 1" stroke, 2900 strokes/min., 115 V-AC, 9 5/8" length, 5.5 lbs.  
Bearings: All ball and roller
- **CUTTING CAPACITIES**  
Wood — 2 3/8"  
Plastics, fiberglass — 1 1/4"  
Aluminum, non-ferrous metals — 3/4"  
Mild steel — 1/4"



### ORBITAL ACTION JIG SAW MODEL 8554

- Exclusive blade orbit selector.
- Blade support roller guide—perfect 90° cuts in the tightest curves.
- "Barrel Grip" design for precise handling.
- For super duty, continuous production use.
- Includes: 4 assorted blades, 1 screwdriver.
- **SPECIFICATIONS:**  
Full 1" stroke, 2900 strokes/min., 115V-AC, 9" length, 4.5 lbs.  
Bearings: All ball and roller.
- **CUTTING CAPACITIES:**  
Wood — 2 3/8"  
Plastics, fiberglass — 1 1/4"  
Aluminum, non-ferrous metals — max. 3/4"  
Mild steel — 1/4"



#### HAMMERS BREAKERS

5-13

#### HIGH CYCLE BREAKERS GENERATORS

14-16

#### HAMMER DRILLS

17

#### DRILLS

18-23

#### CIRCULAR SAWS

24

#### PLANERS BELT SANDERS

25

#### JIG SAWS

26-33

#### FOAM RUBBER, AND CARPET CUTTERS

34

#### GRINDERS POLISHERS SANDERS

35-39

#### SHEARS NIBBLERS

40-43

#### IMPACT WRENCHES

44-45

#### SCREWDRIVERS TAPPERS

46-48

#### TAMPER

49

#### AIR TOOLS

50-53

#### SERVICE CENTERS

#### INSIDE BACK COVER

**BOSCH . . . when you know the difference!**



HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

**JIG SAWS**

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

## 575, 3230 Jig Saws



### SINGLE ACTION JIG SAW, MODEL 575

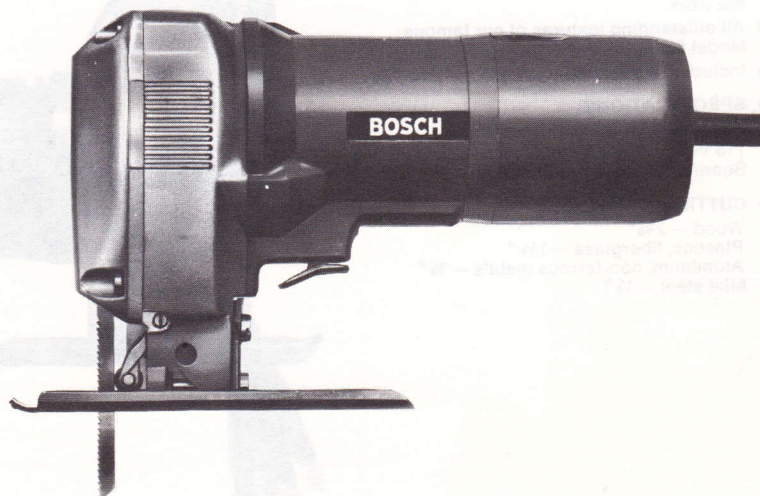
- Replaces the famous 8550 jig saw, adding double insulation to the impressive list of features.
- Straight reciprocal action— $7/8$ " stroke.
- Adjustable roller guide supports blade for precise cuts, prevents breakage.
- Tilting footplate with positive locking device for straight cuts, as well as  $15^\circ$ ,  $30^\circ$  and  $45^\circ$  bevel cuts.
- Effective sawdust blower automatically clears cutting line.
- Operates smoothly, vibration-free.
- Long line of accessories makes this saw extremely versatile.
- Includes: assorted blades, 1 screwdriver.

#### SPECIFICATIONS:

$7/8$ " stroke, 3,400 strokes/minute  
45° tilt base  
115V-AC,  $8\frac{3}{4}$ " length, 4.5 lbs.  
Bearings: All ball and roller.

#### CUTTING CAPACITIES:

Wood—2"  
Aluminum, non-ferrous metals— $5/8$ "  
Mild steel— $3/16$ ".



### SINGLE ACTION JIG SAW, MODEL 3230

- Perfect for the service trades.
- Compact, powerful, economical.
- Built-in saw dust blower.
- Blade roller guide—straight, accurate cuts.
- Tilting shoe—bevel cuts  $0-45^\circ$  left and right.
- Includes: assorted blades, 1 screwdriver.

#### SPECIFICATIONS:

$3/4$ " stroke, 3000 strokes/min.,  
115V-AC,  $7\frac{1}{4}$ " length, 3.5 lbs.

#### CUTTING CAPACITIES:

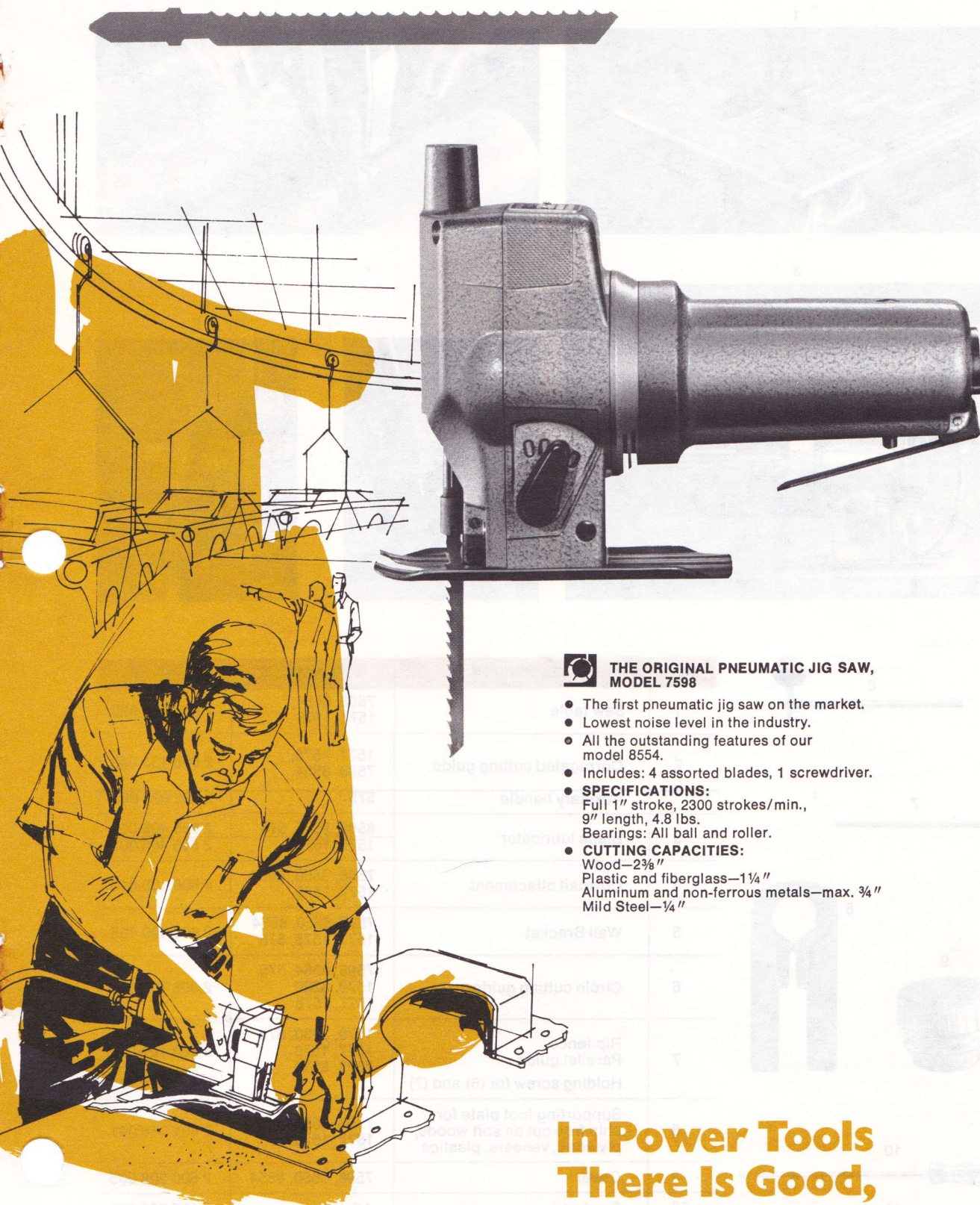
Wood— $1\frac{1}{2}$ "  
Aluminum, non-ferrous metals— $1/2$ "  
Mild steel— $1/8$ "







## 7598—Pneumatic Jig Saw



### THE ORIGINAL PNEUMATIC JIG SAW, MODEL 7598

- The first pneumatic jig saw on the market.
- Lowest noise level in the industry.
- All the outstanding features of our model 8554.
- Includes: 4 assorted blades, 1 screwdriver.
- **SPECIFICATIONS:**  
Full 1" stroke, 2300 strokes/min.,  
9" length, 4.8 lbs.  
Bearings: All ball and roller.
- **CUTTING CAPACITIES:**  
Wood—2 3/8"  
Plastic and fiberglass—1 1/4"  
Aluminum and non-ferrous metals—max. 3/4"  
Mild Steel—1/4"

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

**In Power Tools  
There Is Good,  
Better And Bosch!**



# Jig Saws

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS

NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

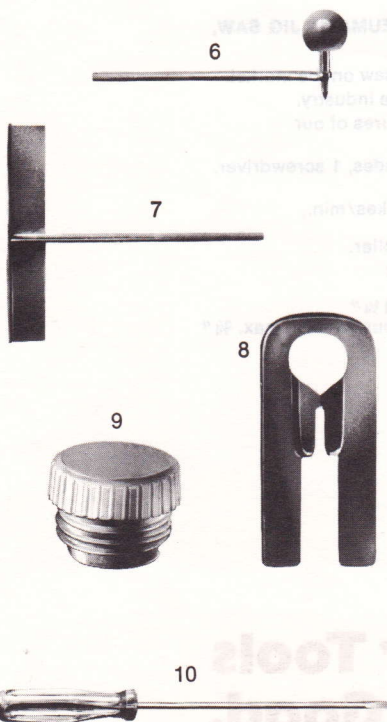
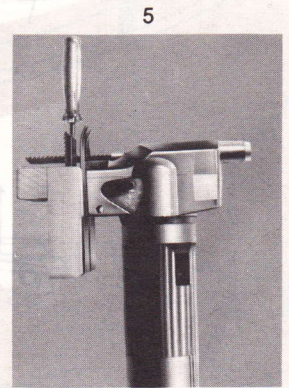
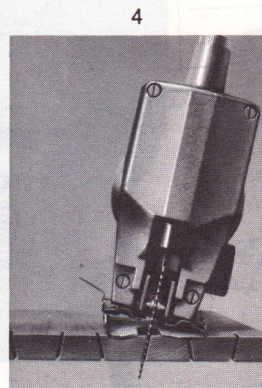
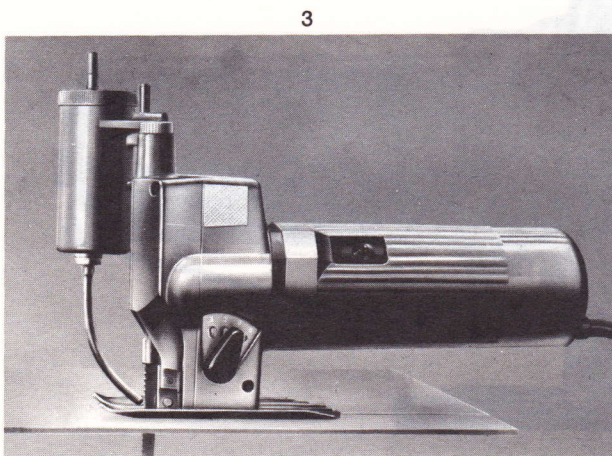
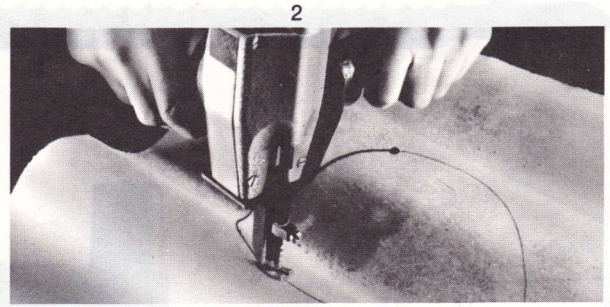
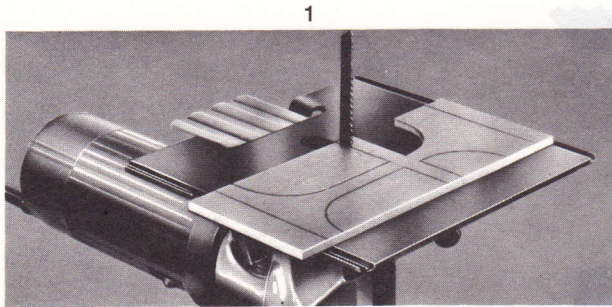
AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

## Accessories—Jig Saws



NO.	DESCRIPTION	FOR MODELS	PART NO.
1	Saw table	7598, 8554, 1577, 1578	2 608 000 020
2	Corrugated cutting guide	1577, 1578, 7598, 8554	2 608 135 045
	Auxiliary handle	575	2 602 025 003
3	Blade lubricator	8550, 8554, 575 1577, 1578	2 605 405 000 2 605 405 002
4	Dovetail attachment	7598, 8550, 8554 1577, 1578	2 608 135 010
5	Wall Bracket	7598, 8550, 8554 1577, 1578, 575	2 608 190 005
6	Circle cutting guide	7598, 8554, 575 1579, 3230 1577, 1578	2 603 101 021
7	Rip fence Parallel guide Holding screw for (6) and (7)	1579, 3230, 575 1577, 1578 7598, 8554	2 603 101 020 2 910 511 152
8	Supporting foot plate for chip free cut on soft woods, plywood, veneers, plastics	7598, 8554 1577, 1578	2 601 016 041
9	Cover	7598, 8550, 8554	2 600 508 005
10	Screwdriver	All Jigsaws	2 607 959 000
11	Blade locking screw	All Jigsaws	2 603 400 000



## The Bosch Blade System

The system that combines *the blade* and *the jig saw* into the most versatile and efficient cutting combination available today!

Bosch offers the largest line of blades available on the market:

- 34 Different tooth types—for every application.
- 2 Knife blades.
- Variety of rasps for finishing work.
- Carbide coated "RIFF" blades for tough materials.

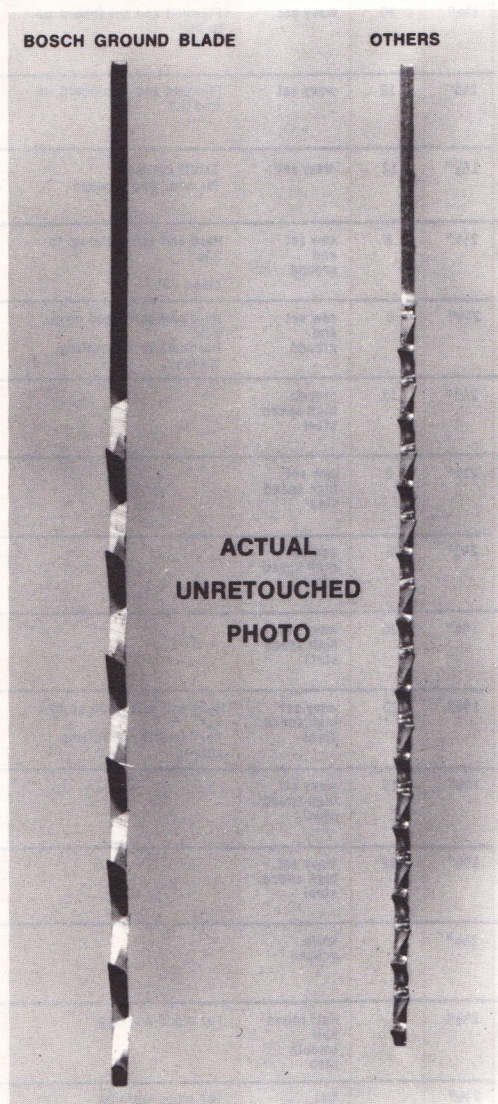
**The Bayonet—Lock design** is a Bosch innovation that guarantees positive blade positioning—no floating in the jig saw plunger—even under the greatest forward pressure in tough metals.

**Ground and Fleam-Ground teeth** are a standard part of the Bosch blade manufacturing. Compare the smooth, clean, quality cut you get with Bosch blades and you will see the advantages over merely *filed* or *milled* blades.

**Flat, taper grinding** completes the high quality processing of Bosch blades to provide added blade strength and blade maneuverability. Compare these factors to *hollow ground* blades.

Make the *quality comparison*!

**M2 Moly-High-Speed-Steel or High Carbon Steel** quality controlled to Bosch's exacting standards assure the outstanding performance of every Bosch jig saw blade.



**Make the Performance Comparison  
You will choose The Bosch System**

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Jig Saws

## For models 1577, 1578, 7598, 8554



			Effective Length	Teeth Per Inch	Teeth Specification	Wood	Metal	Plastics	PART NO. (5 BLADES TO A CARD)
HAMMERS BREAKERS 5-13									
HIGH CYCLE BREAKERS GENERATORS 14-16									
HAMMER DRILLS 17									
DRILLS 18-23									
CIRCULAR SAWS 24									
PLANERS BELT SANDERS 25									
JIG SAWS 26-33									
FOAM RUBBER, AND CARPET CUTTERS 34									
GRINDERS POLISHERS SANDERS 35-39									
SHEARS NIBBLERS 40-43									
IMPACT WRENCHES 44-45									
SCREWDRIVERS TAPPERS 46-48									
TAMPER 49									
AIR TOOLS 50-53									
SERVICE CENTERS									
INSIDE BACK COVER									

For cooling sawblades use lubricant container 2 605 405 000

□ Cooling with cutting oil or oil emulsion

○ Cooling with water







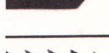
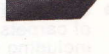






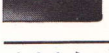





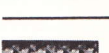


■ Cooling with turpentine or a mixture of petroleum and turpentine

\* Order number for one piece

△ Cooling with silicone oil



# For models 575, 1579, 3230, 8550

	Effective Length	Teeth Per Inch	Teeth Specification	Wood	Metal	Plastics	PART NO. (5 BLADES TO A CARD)
T 1 B		2 1/8"	12 ground	Hard and soft wood, plywood and hardboard up to 1"		Plastics clean cut	2 608 630 000
T 1 BR		2 1/8"	12 ground	Hard and soft wood, plywood and hardboard up to 1"		Plastics clean cut	2 608 630 291
T 1 C		2 1/8"	8 ground	Hard and soft wood, plywood and hardboard up to 2"		Plastics clean cut	2 608 630 001
T 1 D		2 1/8"	6 ground	Hard and soft wood, plywood and hardboard up to 2"		Plastics clean cut	2 608 630 002
T 11 C		2 1/8"	8 saw set	Hard and soft wood up to 2"	Aluminum <input type="checkbox"/> $\frac{1}{4}$ " - $\frac{3}{8}$ "	Plastics rough cut	2 608 630 003
T 11 D		2 1/8"	6 saw set	Hard and soft wood up to 2"	Aluminum <input type="checkbox"/> $\frac{1}{4}$ " - $\frac{3}{8}$ " Lead and tin up to 1/2"	Plastics rough cut	2 608 630 004
T 44 C		2 1/8"	8 saw set and ground	Hard and soft wood up to 2" Particularly for cutting curves, outstandingly efficient			2 608 630 009
T 44 D		2 1/8"	6 saw set and ground	Hard and soft wood up to 2" Particularly for cutting curves, outstandingly efficient			2 608 630 010
T 19 A		1 3/4"	25 wavy set	Plywood and hardboard up to 5/8"		Pressed materials, laminated fabric $\Delta$ Insulated material and Cardboard up to 1/4"	2 608 630 006
T 19 B		1 3/4"	12 wavy set	Plywood and hardboard up to 1 1/4"		Pressed materials, laminated fabric $\Delta$ Insulated material up to 1/2"	2 608 630 007
T 19 B0		1 7/8"	12 wavy set	Scroll cutting for wood and plywood			2 608 630 309
T 57 C		2 1/8"	8 saw set	Hard and soft wood up to 2" rough cut—extremely efficient		Plastics	2 608 630 061
T 1 A		2 1/8"	12 ground high speed steel		Nonferrous metal <input type="checkbox"/> $\frac{1}{8}$ " - $\frac{3}{16}$ " Aluminum <input type="checkbox"/> $\frac{1}{8}$ " - $\frac{3}{16}$ " very clean cut		2 608 631 000
T 27 D		2 1/8"	6 saw set high speed steel		Nonferrous metal <input type="checkbox"/> Aluminum and aluminum alloy <input type="checkbox"/> $\frac{1}{4}$ " - $\frac{3}{8}$ "	Pressed materials, laminated fabric $\Delta$ Asbestos cement $\circ$	2 608 630 008
T 18 A		1 3/4"	25 wavy set high speed steel		Mild steel <input type="checkbox"/> Nonferrous metal <input type="checkbox"/> Aluminum and aluminum alloy <input type="checkbox"/> up to 1/8". Saw sheet metal under 19 gauge together with a wooden base		2 608 631 002
T 18 B		1 3/4"	12 wavy set high speed steel		Nonferrous metal <input type="checkbox"/> Aluminum and aluminum alloy <input type="checkbox"/> $\frac{1}{8}$ " - $\frac{3}{16}$ "		2 608 631 003
T 18 G		1 3/4"	32 wavy set high speed steel		Mild steel <input type="checkbox"/> Nonferrous metal <input type="checkbox"/> and aluminum alloy <input type="checkbox"/> up to 1/8". Saw sheet metal under 19 gauge together with wooden base		2 608 631 004
T 13 A		2 1/4"	knife ground			Soft rubber up to 3/4" Cloth soft plastics Polystyrol	2 608 635 015
T 29/2		2 5/8"	Half round half smooth rasp	For wood working			2 608 609 000*
T 30/2		2 5/8"	flat Half smooth rasp	For wood working			2 608 609 001*
T 31/2		2 5/8"	triangular half smooth rasp	For wood working			2 608 609 002*
T 30		2 1/8"	Carbide Grit (Coarse)	Wood with nails	Plaster on metal lathe	Asbestos cement, Fiberglass, Polyester, Epoxie, Melamines, Silicones.	2 608 630 610
T 50		2 1/8"	Carbide Grit (Medium)	Counter top materials, Tempered hardboard, Plywood, Plywood Laminated materials, Hardwood veneers.	Superalloy sheet metal.	Asbestos cement, Fiberglass, Polyester, Epoxie, Melamines, Silicones, Imitation marble, Ceramic tile, Slate, Cast stone, Clay, Brick.	2 608 630 611

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS  
26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

For cooling sawblades use lubricant container 2 605 405 000

☐ Cooling with cutting oil or oil emulsion

☐ Cooling with water

☐ Cooling with turpentine or a mixture of petroleum and turpentine

\* Order number for one piece

$\Delta$  Cooling with silicone oil

• If 2 608 630 006...007 (T 19 A and T 19 B) is unsatisfactory, use 2 601 631 002...003 (T 18 A and T 18 B) same pitch of teeth



# Foam Rubber Cutters

## 1575, 7595 Foam Rubber Cutters/Carpet Cutters

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

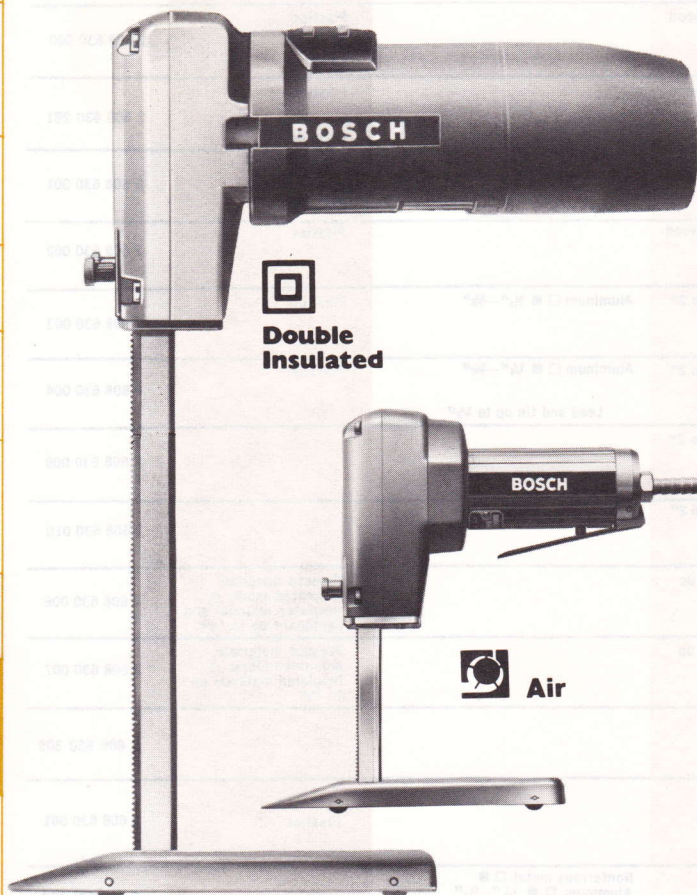
49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



### MODEL 1575 FOAM RUBBER CUTTER

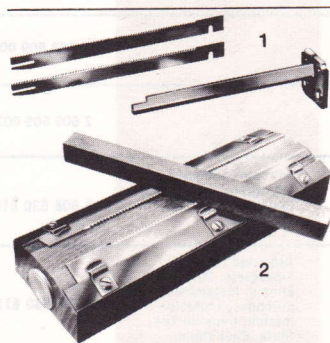
- 3"; 5"; 8"; or 12" cutting depth.
- Slim and compact enough for the smallest hand.
- Only 2 1/4" diameter—3.5 lbs.
- Easy to guide on roller bearing foot plate.
- Quick changeover to any of four cutting depths.
- Supplied with: blade pair, blade guide (specify length when ordering), foot plate with rollers, screwdriver.
- **SPECIFICATIONS:**  
3200 strokes/min., 115V-AC,  
9 1/4" length 3.5 lbs.

### MODEL 7595 FOAM RUBBER CUTTER

- 3"; 5"; 8"; or 12" cutting depth.
- Slim and compact enough for the smallest hand.
- Only 1 1/2" diameter—2.6 lbs.
- Easy to guide on roller bearing foot plate.
- Quick changeover to any of four cutting depths.
- Supplied with: foot plate with rollers, screwdriver. Order blades and guide separately.
- **SPECIFICATIONS:**  
3800 Strokes/Min. at 90 P.S.I.  
6" Length  
2.6 Lbs.



## FOAM RUBBER CUTTER ACCESSORIES



NO.	DESCRIPTION	MODEL	PART NO.
1	3" blade pair	1575, 7595	2 607 018 013
	3" guide		2 608 135 023
	5" blade pair		2 607 018 010
	5" guide		2 608 135 020
	8" blade pair		2 607 018 011
	8" guide		2 608 135 021
	12" blade pair		2 607 018 012
	12" guide		2 608 135 022
2	Blade sharpener complete		2 608 133 000
	Whetstone only		2 607 929 000



# Grinders, Polishers, Sanders

## 1327 "Minimax" Grinder!

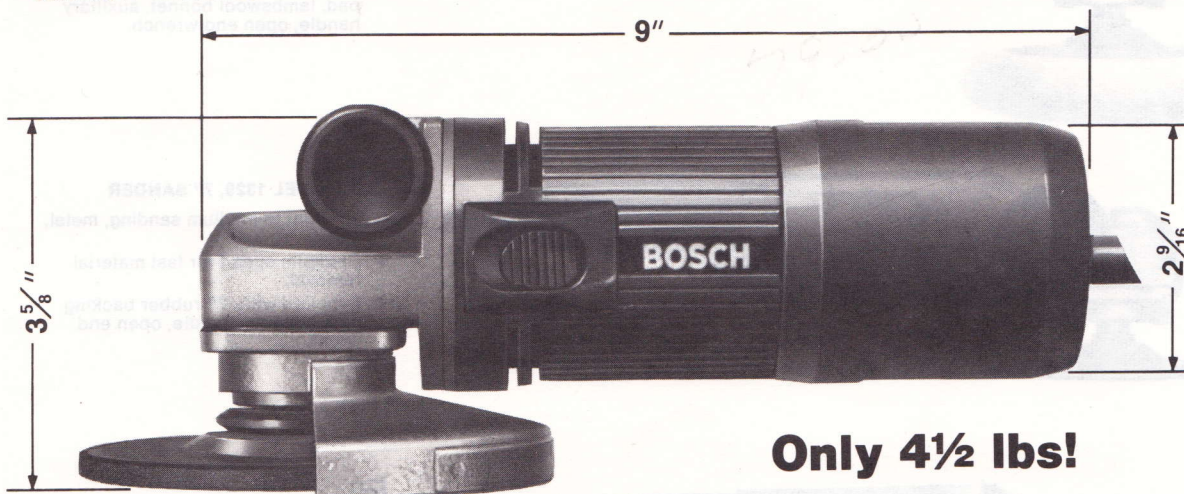
**MODEL 1327**  
**"MINIMAX" GRINDER**

### SPECIFICATIONS:

115V-AC, 60 Hz  
11,000 no load r.p.m.  
Maximum wheel diameter 4½"  
Standard ⅞" wheel arbor

**"Mini"-size— "Max"-power**

**new**



**Only 4½ lbs!**

**4½" Angle Grinder for grinding, cutting, brushing, sanding**

### SUPPLIED WITH

DESCRIPTION	PART NO.
4½" guard	2 605 510 002
Auxiliary handle	2 602 025 006
2 wheel flanges	1 603 340 009
1 4½" x ⅞" x ¼" depressed center wheel for steel	2 608 600 003
1 spanner wrench	1 607 950 005
1 allen wrench	1 689 005 004
owner's manual	—

### OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Cut-off wheel (stone)	2 608 600 004
Cut-off wheel (steel)	2 608 600 005
Wire cup brush	2 608 614 000
Carrying case	2 605 438 005
Rubber backing pad w/mounting	2 608 601 005

### SANDING DISCS

GRIT	PART NO.
24	2 608 604 009
30	2 698 604 010
40	2 608 604 011
50	2 608 604 012
60	2 608 604 013
80	2 608 604 014
100	2 608 604 015
120	2 608 604 016

## Features

- Double insulation.
- Ball and needle bearings.
- Thumb controlled switch with lock—"on" feature.
- Precision cut, hardened gears.
- Long life, super efficient motor.
- Cool operation.

## Applications

- Tool and die work.  
Roughing in, clean-up.
- Farm machinery maintenance.  
Blade sharpening, cutting.
- Welding shops—machine shops.  
Grinding in confined areas.
- Building renovation.  
Paint and rust removal.
- Plant maintenance.  
Filing applications, light grinding.

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Grinders, Polishers, Sanders

HAMMERS  
BREAKERS

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HIGH CYCLE  
BREAKERS  
GENERATORS

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HAMMER  
DRILLS

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DRILLS

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AND CARPET  
CUTTERS

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GRINDERS  
POLISHERS  
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## 1328, 1329, 300, 301, 1323 Polishers/Sanders



### MODEL 1328, 7" SANDER-POLISHER

- Perfect for polishing metal, wood & stone.
- Lightweight, compact & durable.
- Supplied with: 7" rubber backing pad, lambswool bonnet, auxiliary handle, open end wrench.



### MODEL 1329, 7" SANDER

- For light to medium sanding, metal, wood
- Optimum speed for fast material removal.
- Supplied with: 7" rubber backing pad, auxiliary handle, open end wrench.



### MODEL 300, 7" SANDER

- Powerful, compact, lightweight.
- Well balanced, easy to handle.
- 7" rubber backing pad available for sanding (see page 38).
- 7" guard available for use with grinding wheels (see page 38) for proper guards and accessories).
- Supplied with auxiliary handle, open end wrench.



### MODEL 301, 7" SANDER-POLISHER

- Heavy duty.
- For all finishes—perfect for acrylic lacquer
- 2700 RPM, works faster, gives smoother finishes.
- Supplied with: 7" rubber backing pad, lambswool bonnet, auxiliary handle, open end wrench.



### MODEL 1323, 7"—9" SANDER

- Highly reliable and ruggedly built.
- For industrial, maintenance and service trade applications.
- Optimum speed (5000 RPM), high torque for maximum efficiency.
- 9" rubber backing pad available for sanding (see page 38).
- 7" and 9" guard available for use with grinding wheels (see page 38) for proper guards and accessories).
- Supplied with 7" rubber backing pad, auxiliary handle, open end wrench.





## 1321, 1322, 1306, 1307 Grinders



### MODEL 1321, 7" GRINDER

- Outstanding for dependable production, industrial, and service trades applications.
- Lightweight, less user fatigue.
- High speed 17,000 feet per minute removes materials faster.
- Supplied with: removable left and right hand auxiliary handle, wheel adapter kit, and guard.



### MODEL 1322, 7"—9" GRINDER

- Outstanding for dependable industrial, maintenance and service trades applications.
- Lightweight, less user fatigue.
- High speed (6500 RPM), high torque for max. grinding efficiency.
- Supplied with: removable left and right hand auxiliary handle, wheel adapter kit, and guard.



### MODEL 1306, 7" GRINDER

- For super duty continuous use.
- High torque-no loss of speed under heavier loads.
- 2 H.P. motor, burn-out resistant windings for max. power and long life.
- Supplied with: side handle, adapter kit and guard.



### MODEL 1307, 7"—9" GRINDER

- For continuous use super duty applications.
- High spindle speed (6500 RPM) removes more material, prolongs wheel life.
- 2 H.P. motor, burn-out resistant windings for max. power and long life.
- Supplied with: side handle, adapter kit and guard.

MODEL	DUTY	MAX. CAPACITIES/INCHES		115V-AC; DC AVAILABLE AT SPECIAL REQUEST					
		DEPRESSED CENTER WHEEL (DIA.)	CUT OFF WHEEL (DIA.)	CUP WHEEL (DIA.)	SANDING DISCS (DIA.)	NO LOAD RPM	PEAK H.P. AT SPINDLE	LENGTH	NET LBS.
1328	Standard	—	—	—	7"	1950	.625	16 3/4"	7.0
1329	Standard	7"	7"	—	7"	4900	.625	16 3/4"	7.0
300	Heavy	7"	7"	—	7"	4900	1.0	16 3/4"	7.8
301	Heavy	—	—	—	7"	2700	1.0	16 1/4"	7.8
1321	Heavy	7"	7"	4"	7"	8500	1.4	18"	11.0
1322	Heavy	9"	9"	4"	7"	6500	1.4	18"	11.0
1323	Heavy	9"	9"	5"	9"	5000	1.4	18"	11.0
1306	Super	7"	7"	4"	7"	8500	2.0	19"	13.0
1307	Super	9"	9"	5"	7"	6500	2.0	19"	13.0

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

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DRILLS

18-23

CIRCULAR  
SAWS

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PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Grinders, Polishers, Sanders

HAMMERS  
BREAKERS

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HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS  
18-23

CIRCULAR  
SAWS  
24

PLANERS  
BELT  
SANDERS  
25

JIG SAWS  
26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS  
34

GRINDERS  
POLISHERS  
SANDERS  
35-39

SHEARS  
NIBBLERS  
40-43

IMPACT  
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TAMPER  
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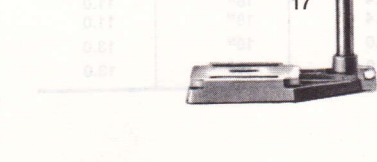
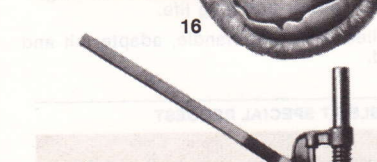
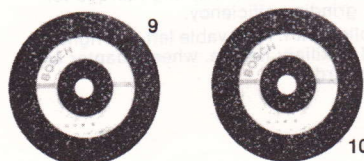
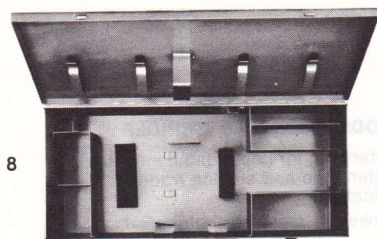
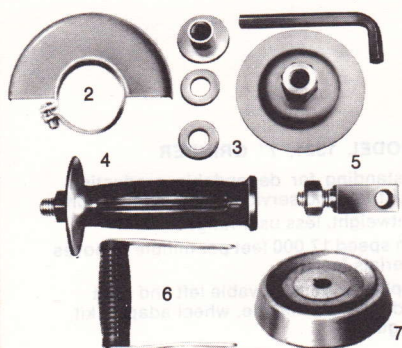
AIR TOOLS  
50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

## Accessories

1  
(not shown)



## FOR ANGLE GRINDERS, POLISHERS, & SANDERS

NO.	DESCRIPTION	MODEL	PART NO.
1	3/4" spindle wrench	for all angle grinders, polishers and sanders	T 3030
2	7" guard 9" guard	300, 1306, 1317, 1321 1307, 1308, 1318, 1320, 1322, 1323	1 605 510 083 1 605 510 082
3	adapter kit for 7" and 9" type 27 dep. center wheels washer (included in kit)	for all angle grinders	1 607 000 025 T 3035
4	side handle	all models	1 602 025 022
5	angle adapter	for side handle 1 602 025 016	1 603 527 017
6	spade handle for flat grinding	all models	1 602 025 010
	2 screws, 2 lock washers	for spade handle 1 602 025 010	1 603 450 002
7	4" guard 5" guard 6" guard	for 4" flared cup wheels for 5" flared cup wheels for 6" flared cup wheels	T 3007 T 3008 T 3009
8	metal carrying case	for all angle grinders	1 605 438 006

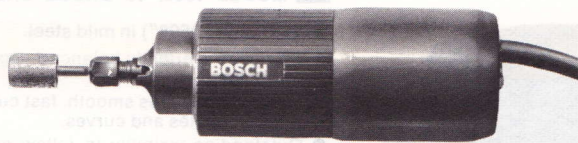
## FOR ANGLE GRINDERS, POLISHERS, & SANDERS

NO.	DESCRIPTION	MAXIMUM SPEED	FOR	PART NO.
9	type 27 depressed center wheels (aluminum oxide wheels for metal) 7" x 1/8" x 7/8" 7" x 1/4" x 7/8" 9" x 1/8" x 7/8" 9" x 1/4" x 7/8"	8,500 rpm 8,500 rpm 6,500 rpm 6,500 rpm	steel, iron steel, iron steel, iron steel, iron	1 608 600 227 1 608 600 228 1 608 600 229 1 608 600 230
10	type 27 depressed center silicon carbide wheels for non-ferrous metals, masonry, etc. 7" x 1/4" x 7/8" 9" x 1/4" x 7/8"	8,500 rpm 6,500 rpm	stone stone	1 608 600 237 1 608 600 238
11	flared cup wheels 4" x 5/8"—11 thread	8500 rpm 8500 rpm	steel, iron stone	1 608 600 232 1 608 600 240
12	ultra wire cup brush with supporting ring 4" x 5/8"—11 thread 5" x 5/8"—11 thread	8,500 rpm	steel, iron	1 608 614 001 1 608 614 002
13	rubber backing pad rubber backing pad	8,500 rpm 6,500 rpm	7" dia. 9" dia.	1 608 601 008 1 608 601 009
14	nut for rubber backing pad spanner wrench			1 603 345 005 1 607 950 005
15	sanding discs grit 16 grit 24 grit 36 grit 50 grit 80 grit 16 grit 24 grit 36 grit 50 grit 80	8,500 rpm 8,500 rpm 8,500 rpm 8,500 rpm 8,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm 6,500 rpm	7" dia. 7" dia. 7" dia. 7" dia. 7" dia. 9" dia. 9" dia. 9" dia. 9" dia. 9" dia.	1 608 604 027 1 608 604 028 1 608 604 030 1 608 604 029 1 608 604 031 1 608 604 034 1 608 604 035 1 608 604 037 1 608 604 036 1 608 604 038
16	wool bonnet	2,000 rpm	7" dia.	1 608 610 000
17	grinder bench stand			0 601 999 005





## Grinders—1204 Utility, 1205 Die, 1201 Straight



### MODEL 1204, 1/4" UTILITY GRINDER

- The perfect all around high speed utility grinder.
- Lightweight, compact, powerful.
- Supplied with: 2 mounted points, 1 dressing stone, 1 open end wrench, 1 locking pin.



### MODEL 1205, 1/4" DIE GRINDER

- Versatile, precision Die Grinder for die shop and maintenance use.
- Lightweight and rugged.
- Adaptable for tool post grinding.
- Supplied with: 1 dressing stone, 2 open end wrenches.



### MODEL 1201, 4" STRAIGHT GRINDER

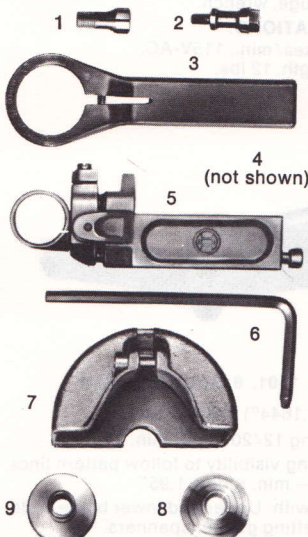
- Perfect for welding shops—surface preparation, de-burring.
- Lightweight, well balanced.
- Optimum speed and power for max. grinding efficiency.
- Supplied with: 1 open end wrench, 1 allen wrench, 1-4" wheel guard T 3002.

#### MAX. CAPACITIES/INCHES

MODEL	MOUNTED POINTS (DIA.)	POLISHING HEADS (DIA.)	POLISHING WHEELS (DIA.)	WHEELS (DIA.)	NO LOAD SPEED RPM	PEAK H.P.	LENGTH OVERALL	NET LBS.
*1201	—	—	—	4	9000	0.8	23	9
1204	1	1 1/4	2	—	26000	N.A.	7	2 3/4
1205	1	1	2	—	27000	N.A.	13	5

\*DC AVAILABLE ON SPECIAL REQUEST

### ACCESSORIES FOR DIE AND STRAIGHT GRINDERS



NO.	DESCRIPTION	MODEL	PART NO.
1	1/8" collet 1/4" collet	1204 1204	2 608 570 068 2 608 570 066
2	1/8" collet 1/4" collet	1205 1205	2 608 570 083 2 608 570 085
3	handle	1204	2 602 025 008
4	suspension bracket	1204	1 604 682 001
5	tool post clamp tool post clamp-adjustable	1205 1205	1 608 040 047 1 608 040 054
6	allen key	tool clamp	1 689 005 004
7	4" guard	1201	T 3002
8	back flange	1201	1 605 703 051
9	front flange	1201	1 600 114 037
	4" x 1" silicon carbide grinding wheel	1201	1 608 600 058
	4" x 1" aluminum oxide grinding wheel	1201	1 608 600 059

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

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DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

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JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

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GRINDERS  
POLISHERS  
SANDERS

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SHEARS  
NIBBLERS

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IMPACT  
WRENCHES

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SCREWDRIVERS  
TAPPERS

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TAMPER

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AIR TOOLS

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SERVICE  
CENTERS

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# Shears, Nibblers

Double Insulated



## 1500, 1504, 1502, 1501 Shears

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

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DRILLS

18-23

CIRCULAR  
SAWS

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NIBBLERS

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WRENCHES

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SCREWDRIVERS  
TAPPERS

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TAMPER

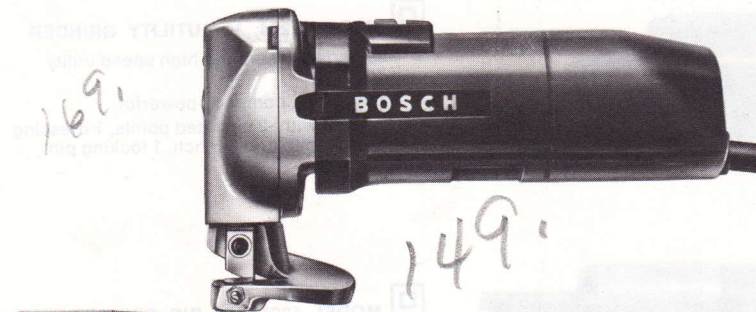
49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



### MODEL 1500, 16 GAUGE SHEAR

- 16 Gauge (.0598") in mild steel.
- Compact—perfectly balanced—lightweight, only 3 lbs.
- 5000 SPM assures smooth, fast cutting through angles and curves.
- Outstanding visibility to follow pattern lines perfectly — min. radius .780"
- Supplied with: Upper and lower blade, wrench, setting gauge.
- **SPECIFICATIONS:**  
5300 strokes/min., 115V-AC,  
8" length, 3 lbs.



### MODEL 1504, 14 GAUGE SHEAR

- 14 Gauge (.0747") in mild steel.
- Upper blade is of double-edge design: when first edge is worn, reverse blade and continue with same blade.
- New blade support, improved cutting speed and curve cutting: Minimum radius .750"
- Compact, lightweight, convenient handling.
- Supplied with: Upper and lower blade, setting gauge, wrench.
- **SPECIFICATIONS:**  
1520 strokes/min., 115V-AC,  
9 1/8" length, 6 lbs.



### MODEL 1502, 10 GAUGE SHEAR

- 10 Gauge (.1345") in mild steel.
- Outstanding visibility to follow pattern lines perfectly — min. radius .975"
- Fast cutting — shear cuts smoothly through angles and curves.
- Supplied with: Upper and lower blade, setting gauge, wrench.
- **SPECIFICATIONS:**  
2000 strokes/min., 115V-AC,  
11 1/2" length, 12 lbs.



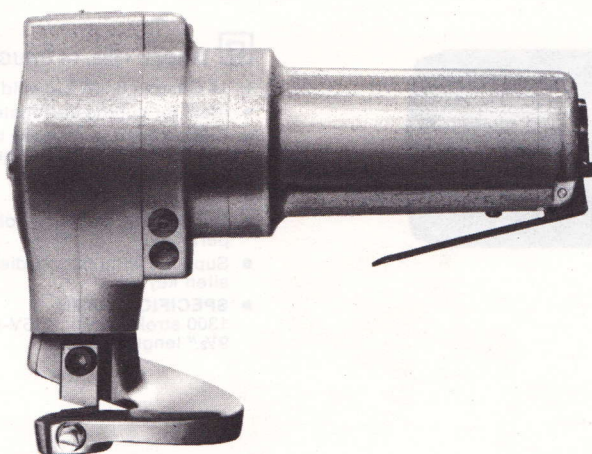
### MODEL 1501, 8 GAUGE SHEAR

- 8 Gauge (.1644") in mild steel.
- Fast cutting 12/20 ft. per min.
- Outstanding visibility to follow pattern lines perfectly — min. radius 1.95"
- Supplied with: Upper and lower blade, side handle, setting gauge, spanners.
- **SPECIFICATIONS:**  
1000 strokes/min., 115V-AC,  
21" length, 19.5 lbs.





## 7500 Pneumatic Shear

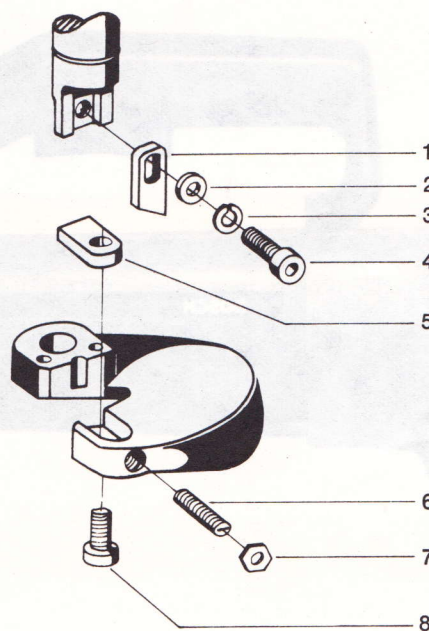


### 14 GA. PNEUMATIC SHEAR, MODEL 7500

- Outstanding performer where air is available or desired.
- Min. cutting radius .750"
- Lowest noise level in the market.
- Fast and efficient for all around sheet metal cutting and trimming.

#### ● SPECIFICATIONS:

14 Gauge (.0747") in mild steel.  
2200 strokes/min.  
8" length, 5½ lbs.



## Replacement Parts for Shears

NO.	DESCRIPTION	MODEL 1500	MODEL 1501	MODEL 1502	MODEL 1504	MODEL 7500
1	Upper Blade	2 608 635 003	1 608 635 015	1 608 635 015	2 608 635 065	2 608 635 005
2	Upper Blade Washer	2 916 011 010	1 609 201 000	1 609 201 000	—	—
3	Upper Blade Lock Washer	—	2 916 680 033	2 916 680 033	—	—
4	Upper Blade Screw	2 603 414 001	2 910 141 201	2 910 141 199	2 603 414 026	2 603 414 025
5	Lower Blade	2 608 635 000	1 608 635 014	1 608 635 014	2 608 635 042	2 608 635 007
6	Adjusting Screw	2 912 031 091	2 910 021 091	2 912 041 191	2 603 400 011	2 910 061 128
7	Adjusting Nut	2 915 051 109	—	—	—	2 915 011 005
8	Lower Blade Screw	2 603 414 001	2 910 141 196	2 910 141 196	2 603 414 024	2 603 070 000

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
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DRILLS

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FOAM RUBBER,  
AND CARPET  
CUTTERS

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GRINDERS  
POLISHERS  
SANDERS

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SHEARS  
NIBBLERS

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IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

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TAMPER

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AIR TOOLS

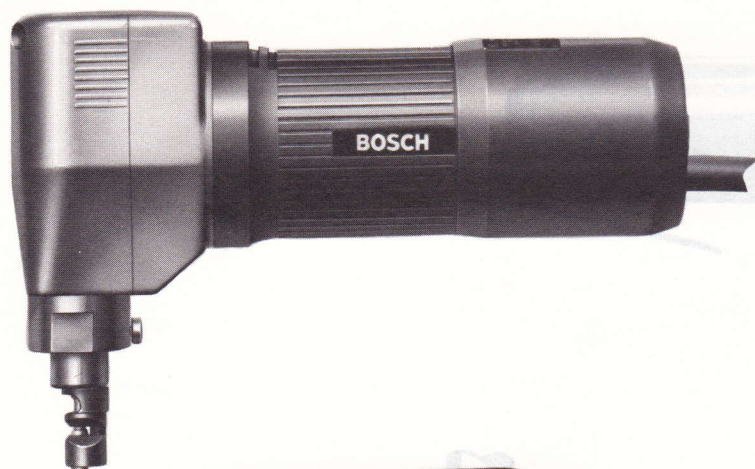
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SERVICE  
CENTERS

INSIDE  
BACK COVER

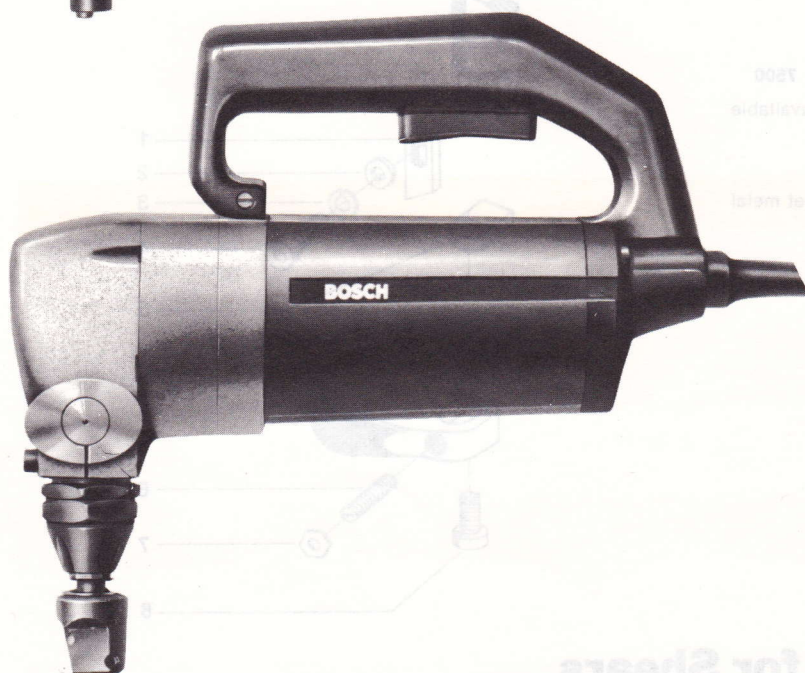


## 1528, 1527, 1525 Nibblers



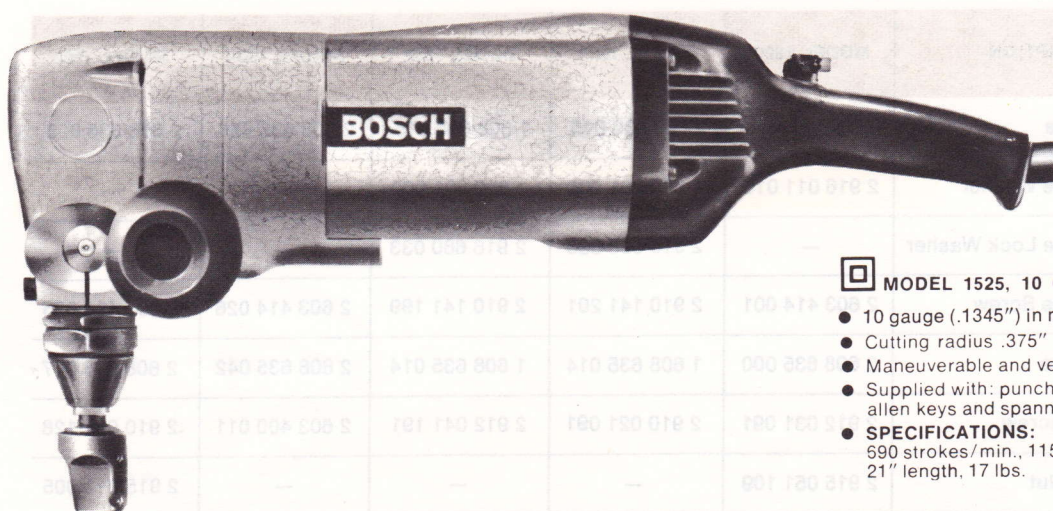
### MODEL 1528, 14 GAUGE NIBBLER

- 14 Gauge (.0747") in mild steel.
- Ideal for cutting corrugated materials.
- Cutting head to respond to 360° directional guiding pressure—no hand maneuvering.
- Cutting radius .250".
- Outstanding visibility—follow patterns perfectly.
- Supplied with: punch, die, die holder, allen key.
- **SPECIFICATIONS:**  
1300 strokes/min., 115V-AC, 9½" length, 4.5 lbs.



### MODEL 1527, 12 GAUGE NIBBLER

- 12 Gauge (.1046") in mild steel.
- Outstanding visibility — follow pattern perfectly.
- 2 pole switch located in the top handle for true one-hand operation.
- Cutting radius .250"
- Supplied with: fork spanners, wrenches, allen keys.
- **SPECIFICATIONS:**  
1150 strokes/min., 115V-AC, 11¾" length, 11.8 lbs.



### MODEL 1525, 10 GAUGE NIBBLER

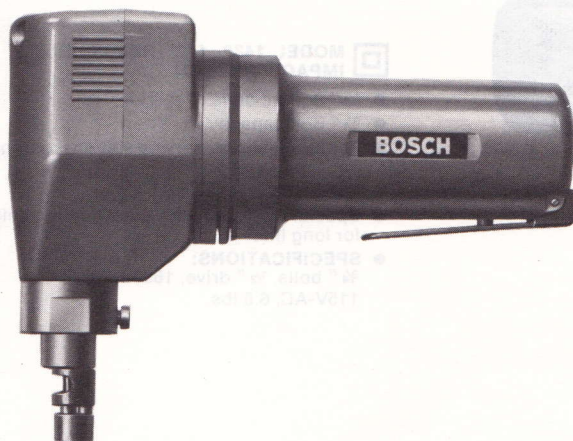
- 10 gauge (.1345") in mild steel.
- Cutting radius .375"
- Maneuverable and versatile.
- Supplied with: punch, die, side handle, allen keys and spanners.
- **SPECIFICATIONS:**  
690 strokes/min., 115V-AC, 21" length, 17 lbs.

HAMMERS BREAKERS	5-13
HIGH CYCLE BREAKERS GENERATORS	14-16
HAMMER DRILLS	17
DRILLS	18-23
CIRCULAR SAWS	24
PLANERS BELT SANDERS	25
JIG SAWS	26-33
FOAM RUBBER, AND CARPET CUTTERS	34
GRINDERS POLISHERS SANDERS	35-39
SHEARS NIBBLERS	40-43
IMPACT WRENCHES	44-45
SCREWDRIVERS TAPPERS	46-48
TAMPER	49
AIR TOOLS	50-53
SERVICE CENTERS	
INSIDE BACK COVER	





## 7503 Pneumatic Nibbler



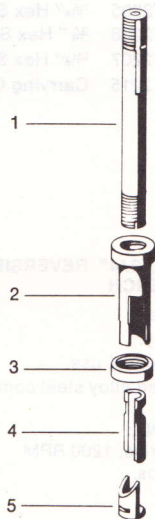
### 16 GA. PNEUMATIC NIBBLER, MODEL 7503

- Efficient, quiet air-driven unit for those who prefer air.
- Min. cutting radius .250".
- Extended versatility with 360° revolving head — ideal for pattern work.
- Cuts corrugated materials quick and clean.

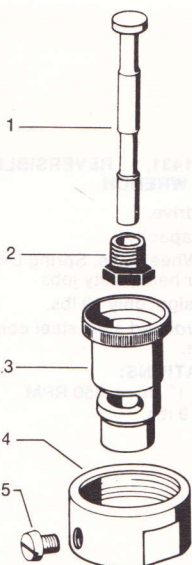
#### SPECIFICATIONS:

16 Gauge (.059") in mild steel.  
1460 strokes/min  
8" length, 4 lbs.

## Replacement Parts for Nibblers



NO.	DESCRIPTION	MODEL 1525	MODEL 1527
1	Carrier Pin for Aluminum	1 603 052 008	1 609 235 001
1	Carrier Pin for Steel	1 603 052 009	1 609 235 002
2	Punch	1 608 635 023	1 609 286 052
3	Die for Steel	1 608 635 022 (14Ga)	1 609 286 051 (20Ga)
3	Die for Steel	1 608 635 021 (10Ga)	1 609 286 053 (12Ga)
4	Support Sleeve	1 600 322 030	1 609 203 008
5	Bushing	1 609 203 000	1 609 203 007



## Replacement Parts for Nibblers

NO.	DESCRIPTION	MODEL 1528	MODEL 7503
1	Punch	2 608 639 013	2 608 639 013
2	Retainer Nut	2 603 455 006	2 603 455 006
3	Die Assembly, Straight Cuts	2 608 639 900	2 608 639 900
3	Die Assembly, Corrugated Cuts	2 608 639 901	2 608 639 901
4	Collar	2 603 314 016	2 603 314 016
5	Locking Screw	2 910 011 148	2 910 011 148

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Impact Wrenches

**Double  
Insulated** 

## 1432, 1432K, 1430, 1431 Impact Wrenches

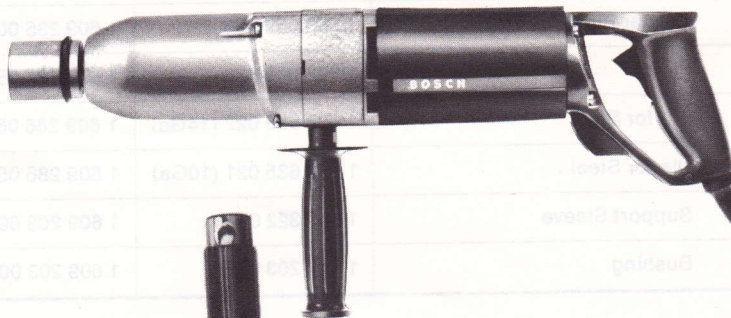


### **MODEL 1432, 1/2" REVERSIBLE IMPACT WRENCH**

- 1/2" Square drive.
- 3/4" Bolt capacity.
- For repair shops, service stations, garages and maintaining.
- Special design, only 6.6 lbs.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**  
3/4" bolts, 1/2" drive, 1600 RPM  
115V-AC, 6.6 lbs.

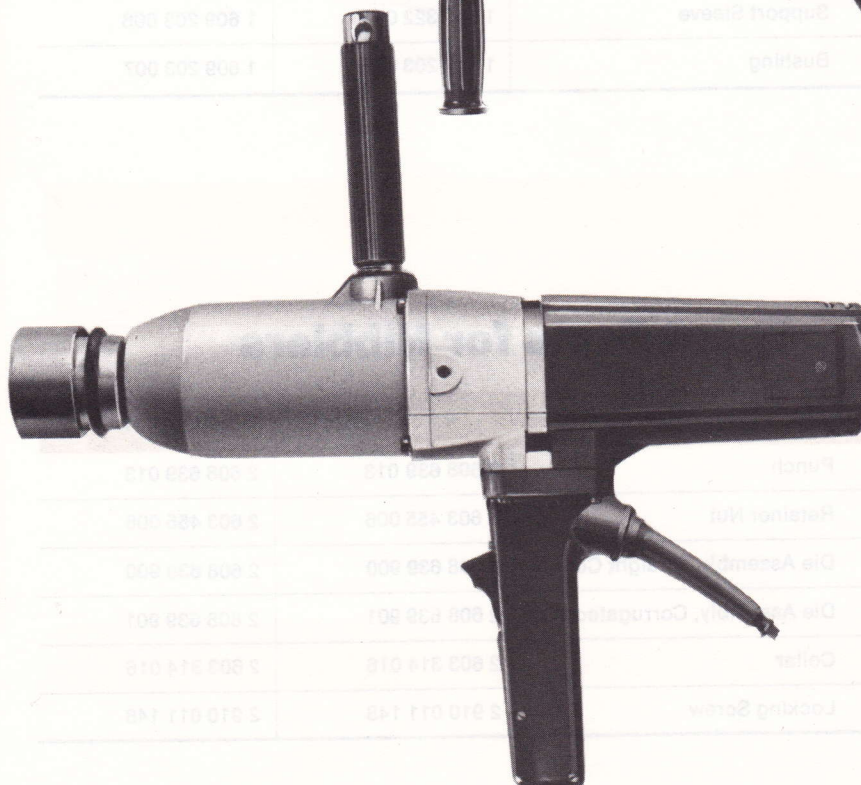
### **1432K IMPACT WRENCH KIT INCLUDES:**

#1432	1/2" Reversible Impact Wrench	T2205	1 1/8" Hex Socket
T2202	1/2" Hex Socket	T2206	3/4" Hex Socket
T2203	7/16" Hex Socket	T2207	1 1/8" Hex Socket
T2204	5/8" Hex Socket	T2215	Carrying Case



### **MODEL 1430, 3/4" REVERSIBLE IMPACT WRENCH**

- 3/4" square drive.
- 7/8" bolt capacity.
- For super heavy duty use.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**  
7/8" bolts, 3/4" drive, 1200 RPM  
115V-AC, 11.5 lbs.



### **MODEL 1431, 1" REVERSIBLE IMPACT WRENCH**

- 1" square drive.
- 1 1/4" bolt capacity.
- For Budd Wheel Nuts, Spring U-Bolts and other super heavy duty jobs.
- Special design, only 19 lbs.
- Special hardened alloy steel components for long life.
- **SPECIFICATIONS:**  
1 1/4" bolts, 1" drive, 850 RPM  
115V-AC, 19 lbs.

**HAMMERS  
BREAKERS**

5-13

**HIGH CYCLE  
BREAKERS  
GENERATORS**

14-16

**HAMMER  
DRILLS**

17

**DRILLS**

18-23

**CIRCULAR  
SAWS**

24

**PLANERS  
BELT  
SANDERS**

25

**JIG SAWS**

26-33

**FOAM RUBBER,  
AND CARPET  
CUTTERS**

34

**GRINDERS  
POLISHERS  
SANDERS**

35-39

**SHEARS  
NIBBLERS**

40-43

**IMPACT  
WRENCHES**

44-45

**SCREWDRIVERS  
TAPPERS**

46-48

**TAMPER**

49

**AIR TOOLS**

50-53

**SERVICE  
CENTERS**

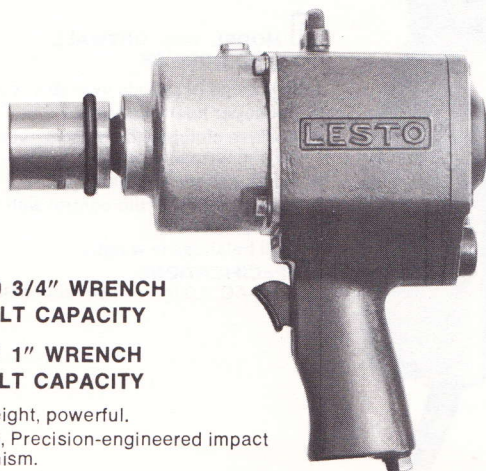
**INSIDE  
BACK COVER**





## 7450 592, 590, 591, 189 Air Impact Wrenches

Bosch Wrenches are built to perform under rough conditions at nameplate specification—built-in lubricators provide for operations without fully equipped air distribution systems. Torque control on all models allows step-down to smaller bolt sizes and adaption to different materials.



**7450 590 3/4" WRENCH**  
**3/4" BOLT CAPACITY**

**7450 591 1" WRENCH**  
**3/4" BOLT CAPACITY**

- Lightweight, powerful.
- Rugged, Precision-engineered impact mechanism.
- Reversible, 3-step torque control in forward action.
- Friction retainer.

### SPECIFICATIONS

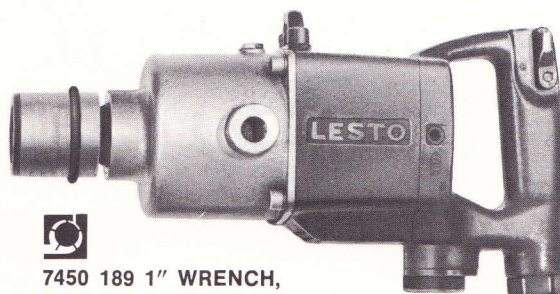
MODEL NO.	NO LOAD RPM	BLOWS/ MIN.	DRIVE	BOLT CAP.	WEIGHT LBS.	RETAINER	REC HOSE	N.P.T.
7450 592	6700	1300	1/2"	5/8"	8.5	Friction	3/4"	1/4"
7450 590	6000	1180	3/4"	3/4"	12.3	Friction	1/2"	3/8"
7450 591	6000	1180	1"	3/4"	12.3	Friction	1/2"	3/8"
7450 189	5500	920	1"	1"	22.9	Friction	1/2"	1/2"

Pin and ring socket retainer for models 590, 591, and 189 available on request.



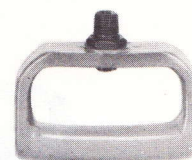
**7450 592 1/2" WRENCH**  
**5/8" BOLT CAPACITY**

- Reversible action at full torque.
- Fastening action adjustable in 4 steps.
- Well balanced, full ball and roller bearing design.
- Friction retainer



**7450 189 1" WRENCH,**  
**1" BOLT CAPACITY**

- The super heavy duty wrench with all the power and all the features.
- Built-in lubricator.
- Reversible at full torque.
- 3 step torque adjustment in forward action.
- Lightweight—well-balanced.
- Friction retainer.



## Impact Wrench Accessories

MODELS 1432 & 7450 592 1/2" DRIVE			MODELS 1430 & 7450 590 3/4" DRIVE			MODELS 1431 & 7450 591, 7450 189 1" DRIVE		
3/8"	Socket	T2200	3/4"	Socket	T2230	1"	Socket	T2260
7/16"	Socket	T2201	13/16"	Socket	T2231	1 1/8"	Socket	T2261
1/2"	Socket	T2202	7/8"	Socket	T2232	1 1/8"	Socket	T2262
9/16"	Socket	T2203	15/16"	Socket	T2233	1 3/8"	Socket	T2263
5/8"	Socket	T2204	1"	Socket	T2234	1 1/4"	Socket	T2264
1 1/8"	Socket	T2205	1 1/8"	Socket	T2235	1 3/8"	Socket	T2265
3/4"	Socket	T2206	1 1/8"	Socket	T2236	1 3/8"	Socket	T2266
13/16"	Socket	T2207	1 3/8"	Socket	T2237	1 7/8"	Socket	T2267
7/8"	Socket	T2208	1 1/4"	Socket	T2238	1 1/2"	Socket	T2268
15/16"	Socket	T2209	1 5/8"	Socket	T2239	1 5/8"	Socket	T2269
1"	Socket	T2210	1 3/8"	Socket	T2240	1 5/8"	Socket	T2270
1 1/8"	Socket	T2211	1 7/8"	Socket	T2241	1 11/16"	Socket	T2271
Universal Joint		T2220	1 1/2"	Socket	T2242	1 3/4"	Socket	T2272
5" Extension		T2221	Universal Joint		T2250	1 13/16"	Socket	T2273
10" Extension		T2222	7" Extension		T2251	1 7/8"	Socket	T2274
3 Jawed			14" Extension		T2252	2" Socket		T2275
Jacobs Chuck		T1904	Retainer Pin		T2255	7" Extension		T2280
Collet Chuck		T1905	O — Ring		T2256	Retainer Pin		T2285
						O — Ring		T2286

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Screwdrivers

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

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GRINDERS  
POLISHERS  
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35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

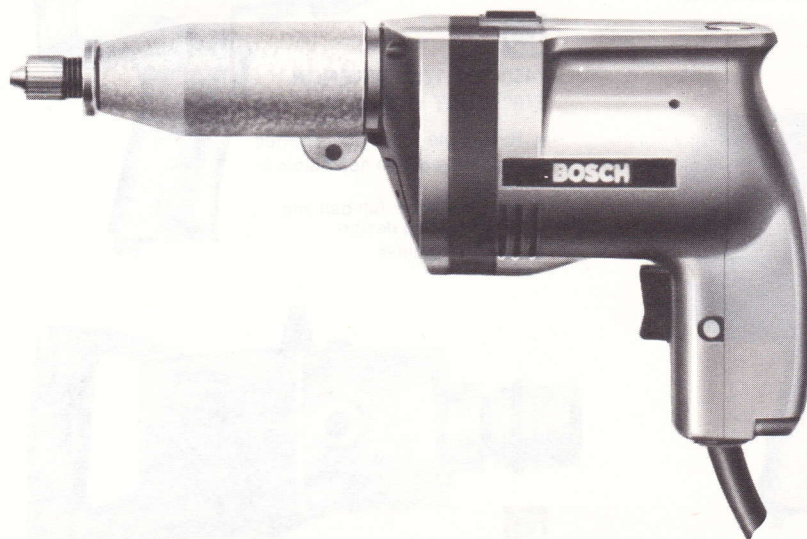
AIR TOOLS

50-53

SERVICE  
CENTERS

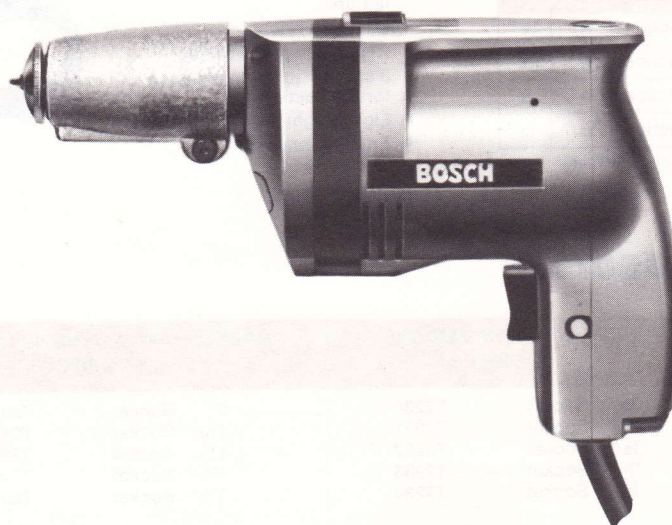
INSIDE  
BACK COVER

## 1406, 1408 Reversible, Drywall Screwdrivers



### MODEL 1406 DRYWALL SCREWDRIVER

- Full range of speeds available reversing.
- For super heavy duty use.
- Positive clutch with adjusting screw for driving torque control.
- Quick change bit holder.
- Precise screw depth control with threaded nose piece.
- Well balanced in weight.
- **SPECIFICATIONS:**  
115V-AC, 3.3 lbs. — see table below



### MODEL 1408, DRYWALL SCREWDRIVER

- Heavy duty.
- Positive clutch, pre-set for max. torque, accurate depth control.
- Well balanced, lightweight.
- For drywall applications, wood & metal studding.
- **SPECIFICATIONS:**  
115V-AC, 3.6 lbs., — see table below

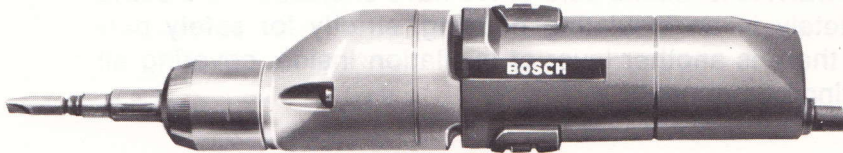
## Specifications

DUTY	MODEL NO.	ORDER NO.	LENGTH	RPM
Heavy	1406	0 601 406 034	9¼"	2800
Heavy	1408	0 601 408 034	9¼"	2800





## 1401, 1402, 1403—Screwdrivers



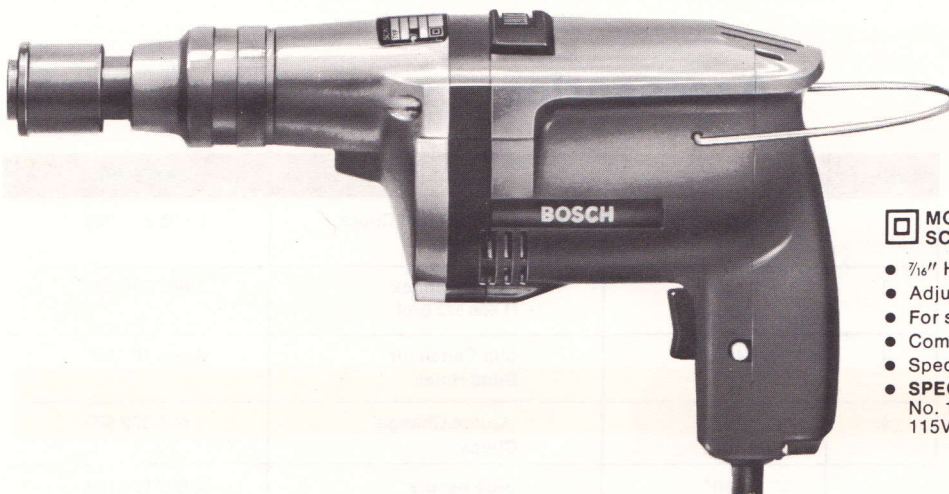
### MODEL 1401, REVERSIBLE SCREWDRIVER

- 1/4" Hex drive.
- Adjustable roller clutch.
- Lightweight and compact.
- Only 2 1/4" Dia., easy to handle.
- For industry, workshop and assembly lines.
- **SPECIFICATIONS:**  
No. 10 Wood screws, 900 RPM, 115V-AC, 4 lbs.



### MODEL 1402, REVERSIBLE SCREWDRIVER

- 1/4" Hex drive.
- Adjustable roller clutch.
- For super heavy duty use.
- Compact, pistol grip in line design.
- Heavy duty reversing switch.
- **SPECIFICATIONS:**  
No. 12 wood screws, 900 RPM, 115V-AC, 4 lbs.



### MODEL 1403, REVERSIBLE SCREWDRIVER

- 7/16" Hex drive.
- Adjustable roller clutch.
- For super heavy duty use.
- Compact, pistol grip in line design.
- Special burnout resistant motor windings.
- **SPECIFICATIONS:**  
No. 16 wood screws, 750 RPM, 115V-AC, 5.5 lbs.

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

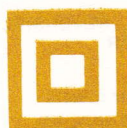
SERVICE  
CENTERS

INSIDE  
BACK COVER

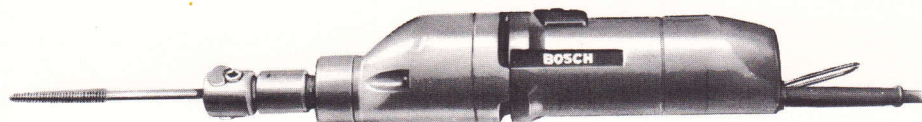




### 1460, 1461 – Tappers

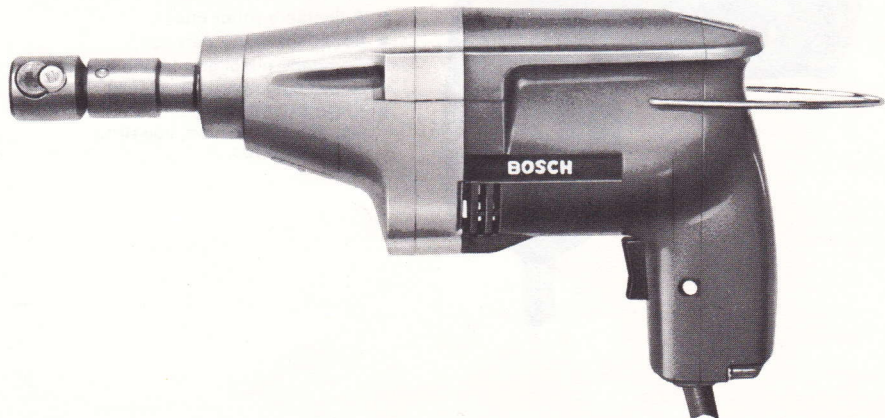


**DOUBLE INSULATION** means safety: We have enclosed the electric motor completely in an insulating housing, strictly for safety purposes, while there is another layer of insulation inside, covering all current carrying components.



#### MODEL 1460, 1/4" TAPPER

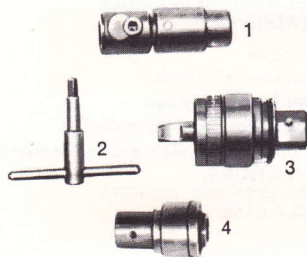
- Automatic reversing – "Push-Pull."
- Lightweight and compact.
- Only 2 1/4" Dia., easy to handle.
- Self-aligning chuck coupling prevents tap breakage.
- **SPECIFICATIONS:**  
460 RPM forward, 980 RPM reverse,  
115V-AC, 4 lbs.



#### MODEL 1461, 3/8" TAPPER

- Full 3/8" tap capacity.
- Automatic reversing – "Push-Pull."
- Pistol grip and comfort contoured body for positive handling.
- Self-aligning chuck coupling prevents tap breakage.
- **SPECIFICATIONS:**  
350 RPM forward, 750 RPM reverse,  
115V-AC, 4.9 lbs.

## Accessories



NO.	MODEL NO.	DESCRIPTION	ORDER NO.
1	1460 1461	Replacement Chuck	1 608 573 000
2	1460 1461	Key for Chuck (1 608 573 000)	1 607 950 002
3	1460 1461	Slip Clutch for Blind Holes	1 606 407 001
4	1460 1461	"Quick-Change" Chuck	1 608 572 503
	1460* 1461	Side handle	2 602 025 008

\*For use with 1460 order reducing collar 1 600 220 023



# Tamper

## 18900 Electric Tamper

### MODEL 18900 ELECTRIC TAMPER

- Compact, lightweight unit
- Ruggedly built
- Anti-vibration handles
- For industrial applications:  
Linings of furnaces, compacting of sand,  
vibrating forms
- For construction purposes:  
Compacting of concrete in tight quarters,  
form vibration, tamping

### TECHNICAL DATA:

Input:	280 W
Voltage:	230/460 V—60 Cycles 3 Phase
Tamping Depth:	up to 4"
Weight:	26.5 Lbs.
Centrifugal Force:	
With Standard Equipment:	330 Ft./Lbs.
With Optional Equipment:	525 Ft./Lbs.



Insert tool not included.



Fig. 1

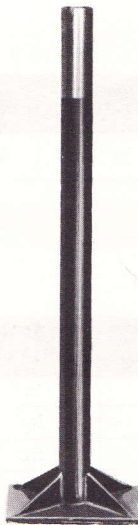


Fig. 2



Fig. 3

### INSERT TOOLS:

for MOLDS			
Length	Tamping Plate	Order Number	Fig.
11.8"	* 2.8" DIA.	1 618 603 300	1
21½"	2.8" DIA.	1 618 603 301	
for VIBRATING CONCRETE, STONE, CONCRETE FLOOR, etc.			
Length	Tamping Plate	Order Number	
21½"	4" x 3"	1 618 603 302	2
21½"	6" x 6"	1 618 603 303	
21½"	7.8" x 1.4"	1 618 603 304	
for COMPRESSING SAND			
Length	Tamping Plate	Order Number	
21½"	4" x 3"	1 618 603 305	3
21½"	4" x 1.6"	1 618 603 306	

HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
BREAKERS  
GENERATORS

14-16

HAMMER  
DRILLS

17

DRILLS

18-23

CIRCULAR  
SAWS

24

PLANERS  
BELT  
SANDERS

25

JIG SAWS

26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS

34

GRINDERS  
POLISHERS  
SANDERS

35-39

SHEARS  
NIBBLERS

40-43

IMPACT  
WRENCHES

44-45

SCREWDRIVERS  
TAPPERS

46-48

TAMPER

49

AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



# Air Tools

HAMMERS  
BREAKERS  
5-13

HIGH CYCLE  
BREAKERS  
GENERATORS  
14-16

HAMMER  
DRILLS  
17

DRILLS  
18-23

CIRCULAR  
SAWS  
24

PLANERS  
BELT  
SANDERS  
25

JIG SAWS  
26-33

FOAM RUBBER,  
AND CARPET  
CUTTERS  
34

GRINDERS  
POLISHERS  
SANDERS  
35-39

SHEARS  
NIBBLERS  
40-43

IMPACT  
WRENCHES  
44-45

SCREWDRIVERS  
TAPPERS  
46-48

TAMPER  
49

AIR TOOLS  
50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER

## 7113, 7109, 7101, 7103—Air Drills



**MODEL 7113**  
**1/4" DRILL, 3200 RPM**

- For maintenance and general professional applications.
- Unsurpassed in quality-cost relation, very popular in wood and metal applications.

### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7113	1/4"	3200	3/8"—24	3/8"	1.7



**MODEL 7109**  
**1/4" DRILL, 2600 RPM**

- For continuous heavy duty application.
- Compact and handy design reduces operator fatigue.
- Reduction gear increases torque output and tool efficiency.

### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7109	1/4"	2600	3/8"—24	3/8"	1.6



**MODEL 7101**  
**3/8" DRILL, 2400 RPM**

- A short stubby drill for hard-to-get-to places and easy handling.
- Built-in throttle allows speed and torque control for individual drilling diameter and fastening applications with hex-adapter.

### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7101	3/8"	2400	1/2"—20	3/8"	3.5

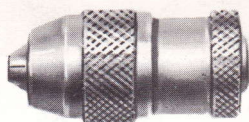


**MODEL 7103**  
**1/2" DRILL, 800 RPM**

- The drill with an almost unlimited power reserve for large diameter holes, high torque and low speed.
- Built-in throttle for speed and torque control for drilling and fastening with hex-adapter.

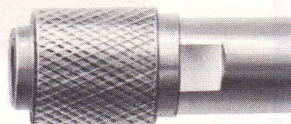
### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	NO LOAD RPM	SPINDLE THREAD	REC. HOSE	WEIGHT LBS.
7103	1/2"	800	1/2"—20	3/8"	4.4



### KEYLESS CHUCKS

3/16" CAP. #2 608 572 002  
3/8" CAP. #1 608 572 007  
1/2" CAP. #1 608 572 009



### HEX-ADAPTORS

Quick-change Hex-Adaptors to convert any drill into a stall-torque screwdriver.

SPINDLE THREAD	INTERNAL HEX	PART NO.
3/8"	1/4"	T 1900
3/8"	7/16"	T 1901
1/2"	7/16"	T 1902





## 7595 Foam Rubber Cutters, 7598 Jig Saw, 7500 Shear, 7503 Nibbler

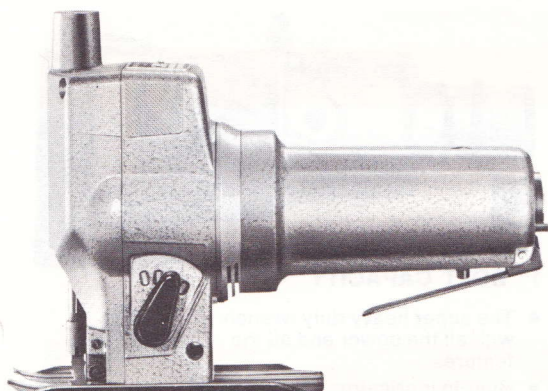


### 7595 FOAM RUBBER CUTTER

- Quick change over to any of four cutting depths: 3", 5", 8", or 12".
- Easy to guide on roller bearing foot plate.
- Also cuts all kinds of carpets including shag.
- Supplied with screwdriver, foot plate, scraper.
- Order blades and guide separately.

#### SPECIFICATIONS

MODEL NO.	STROKE/MIN.	WEIGHT
7595	3,800	2.6 lbs.

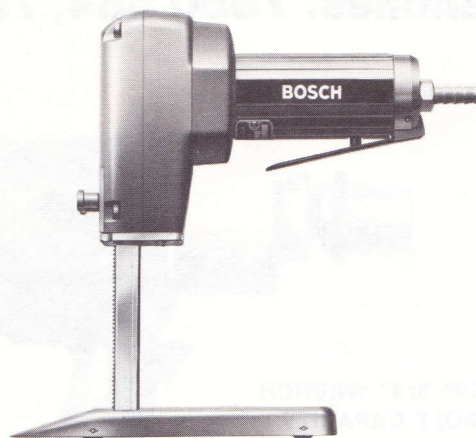
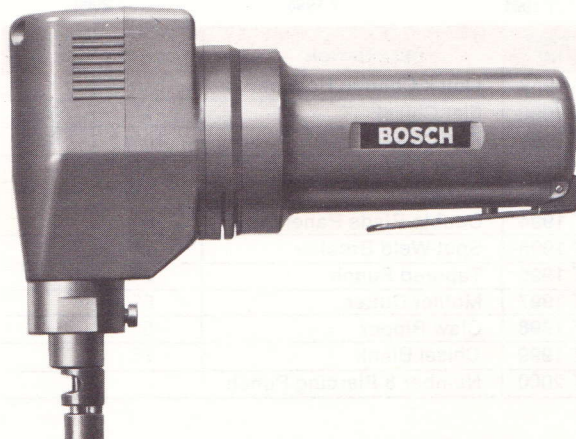


### 7500 14 GA. SHEAR

- Min. cutting radius .750".
- Lowest noise level in the market.
- Fast and efficient for all around sheet metal cutting and trimming.

#### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	WEIGHT
7500	14 Ga./ .074"	5.5 lbs.

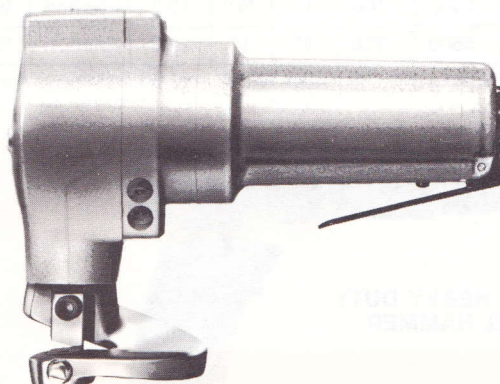


### 7598 THE ORIGINAL PNEUMATIC JIG SAW

- The first pneumatic jig saw on the market.
- Lowest noise level in the industry
- Adjustable orbital blade action.
- Full 1" stroke.

#### SPECIFICATIONS

MODEL NO.	STROKE	CAPACITY WOOD	CAPACITY METAL	CAPACITY STEEL	WEIGHT
7598	1"	2 3/8"	3/4"	1/4"	4.8 lbs.



### 7503 16 GA. NIBBLER

- Efficient, quiet unit.
- Min. cutting radius .125".
- Extended versatility with 360° revolving head — ideal for pattern work.
- Cuts corrugated materials quick and clean.

#### SPECIFICATIONS

MODEL NO.	CAPACITY STEEL	WEIGHT
7503	16 Ga./ .059"	4.5 lbs.

#### HAMMERS BREAKERS

5-13

#### HIGH CYCLE BREAKERS GENERATORS

14-16

#### HAMMER DRILLS

17

#### DRILLS

18-23

#### CIRCULAR SAWS

24

#### PLANERS BELT SANDERS

25

#### JIG SAWS

26-33

#### FOAM RUBBER, AND CARPET CUTTERS

34

#### GRINDERS POLISHERS SANDERS

35-39

#### SHEARS NIBBLERS

40-43

#### IMPACT WRENCHES

44-45

#### SCREWDRIVERS TAPPERS

46-48

#### TAMPER

49

#### AIR TOOLS

50-53

#### SERVICE CENTERS

#### INSIDE BACK COVER



# Air Tools

## HAMMERS BREAKERS

5-13

## HIGH CYCLE BREAKERS GENERATORS

14-16

## HAMMER DRILLS

17

## DRILLS

18-23

## CIRCULAR SAWS

24

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46-48

## TAMPER

49

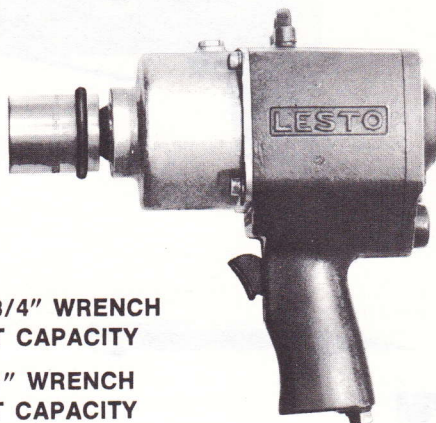
## AIR TOOLS

50-53

## SERVICE CENTERS

## INSIDE BACK COVER

## 7450 590, 7450 591, 7450 592, 7450 189 Impact-Wrenches. 7550 584, 7500 585 Chipping Hammers



**7450 590 3/4" WRENCH  
3/4" BOLT CAPACITY**

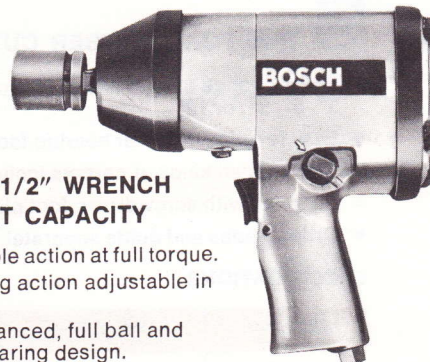
**7450 591 1" WRENCH  
3/4" BOLT CAPACITY**

- Lightweight, powerful.
- Rugged, Precision-engineered impact mechanism.
- Reversible, 3-step torque control in forward action.
- Friction retainer.

### SPECIFICATIONS

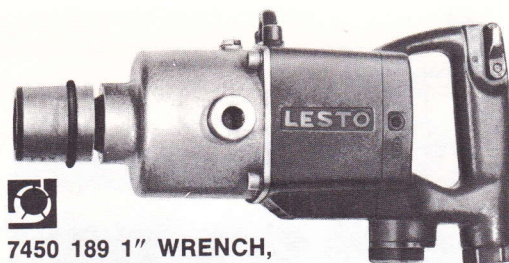
MODEL NO.	NO LOAD RPM	BLOWS/MIN.	DRIVE	BOLT CAP.	WEIGHT LBS.	RETAINER	REC HOSE	N.P.T.
7450 592	6700	1300	1/2"	5/8"	8.5	Friction	3/4"	1/4"
7450 590	6000	1180	3/4"	3/4"	12.3	Friction	1/2"	3/8"
7450 591	6000	1180	1"	3/4"	12.3	Friction	1/2"	3/8"
7450 189	5500	920	1"	1"	22.9	Friction	1/2"	1/2"

Pin and ring socket retainer for models 590, 591, and 189 available on request.



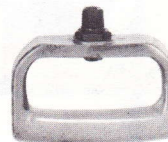
**7450 592 1/2" WRENCH  
5/8" BOLT CAPACITY**

- Reversible action at full torque.
- Fastening action adjustable in 4 steps.
- Well balanced, full ball and roller bearing design.
- Friction retainer



**7450 189 1" WRENCH,  
1" BOLT CAPACITY**

- The super heavy duty wrench with all the power and all the features.
- Built-in lubricator.
- Reversible at full torque.
- 3 step torque adjustment in forward action.
- Lightweight—well-balanced.
- Friction retainer.



**7550 584 HEAVY DUTY  
CHIPPING HAMMER**

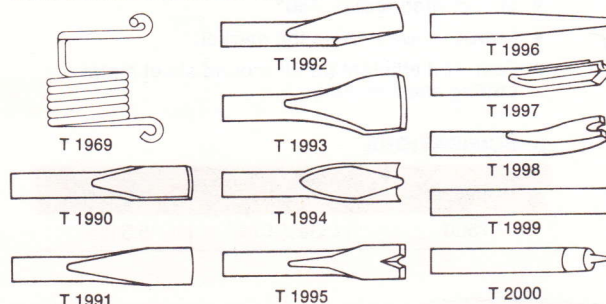


**7550 585 SUPER HEAVY  
DUTY CHIPPING HAMMER**

### SPECIFICATIONS

MODEL NO.	STROKE	BLOWS/MIN.	WEIGHT	INSERT TAPER
7550 584	2 3/8"	3600	2.8	.401" Parker
7550 585	3 1/8"	3300	3.2	.401" Parker

### CHIPPING HAMMER ACCESSORIES



PART NO.	DESCRIPTION	LENGTH	CUTTING WIDTH
T 1969	Quick Change Retainer		
T 1990	Flat Chisel	7"	3/4"
T 1991	Flat Chisel	10 1/2"	3/4"
T 1992	Rivet Cutter	5 1/2"	
T 1993	Scraper	6 1/2"	1 1/4"
T 1994	Double Blade Panel Cutter	6"	
T 1995	Spot Weld Breaker	7"	
T 1996	Tapered Punch	7"	
T 1997	Muffler Cutter	8"	
T 1998	Claw Ripper	5"	
T 1999	Chisel Blank	7"	
T 2000	Number 8 Piercing Punch		



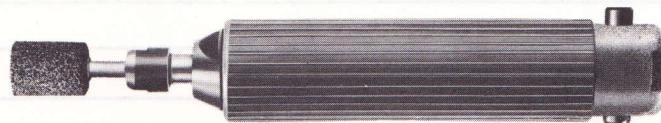


## 7200 Die Grinder, 7550 181 Descaling Hammer 7350 Angle Grinder, Air Tool Accessory Range



### 7200 DIE GRINDER, 24000 RPM SPECIFICATIONS

MODEL NO.	NO LOAD RPM	MAX. WHEEL DIA.	WEIGHT LBS.
7200	24,000	1"	1.1



#### STANDARD EQUIPMENT

1/4" Collet	2 608 570 061	Whetstone	1 607 929 000
Spanner 3/8"	1 689 005 025	Lubricator	2 607 400 004
Spanner 1/2"	1 689 005 026	Optional 1/8" Collet	2 608 570 063



### 7550 181 DESCALING HAMMER SPECIFICATIONS

MODEL NO.	NO. OF RODS	STROKES/ MIN.	WEIGHT LBS.	REC. HOSE
7550 181	19	4000	5.1	3/8"



#### EXTRA ACCESSORIES

Spare Rods (set of 19)	1 607 000 027
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### 7350 ANGLE GRINDER SPECIFICATIONS

MODEL NO.	NO LOAD RPM	MAX. WHEEL DIA.	WEIGHT LBS.
7350	21,000	3"	2.7



#### STANDARD EQUIPMENT

Mounting Flange	1 609 310 091
Guard	1 609 310 046
Allen Key	1 609 310 097
Pin Spanner	1 609 310 098

## AIR TOOL LINE ACCESSORY RANGE

### FEMALE THREAD COUPLERS

3/8" CAPACITY		1/2" CAPACITY	
THREAD SIZE	PART NO.	THREAD SIZE	PART NO.
3/8"	T 1940	1/2"	T 1942
1/2"	T 1941		

### FEMALE THREAD CONNECTORS

3/8"	T 1970	1/2"	T 1972
1/2"	T 1971		

### MALE THREAD COUPLERS

3/8" CAPACITY		1/2" CAPACITY	
THREAD SIZE	PART NO.	THREAD SIZE	PART NO.
3/8"	T 1930	1/2"	T 1932
1/2"	T 1931		

### MALE THREAD CONNECTORS

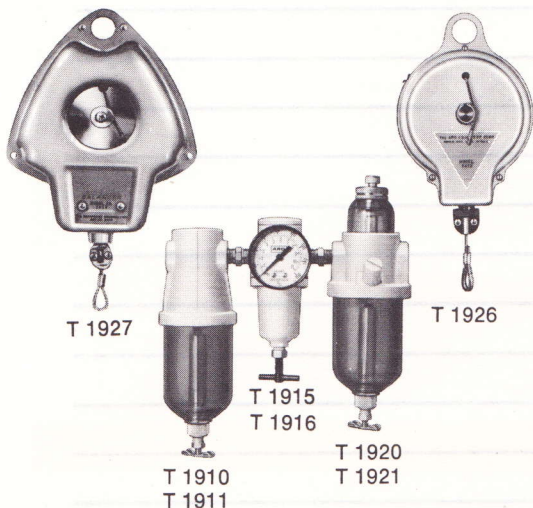
3/8"	T 1960	1/2"	T 1962
1/2"	T 1961		

### HOSE INSERT COUPLERS

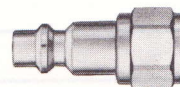
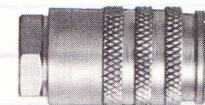
3/8" CAPACITY		1/2" CAPACITY	
HOSE SIZE	PART NO.	HOSE SIZE	PART NO.
3/8" I.D.	T 1950	1/2" I.D.	T 1951

### HOSE INSERT CONNECTORS

3/8" I.D.	T 1980	1/2" I.D.	T 1981
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DESCRIPTION	PART NO.
3/8" Filter	T 1910
1/2" Filter	T 1911
3/8" Regulator with 0-160 P.S.I. gauge	T 1915
1/2" Regulator with 0-160 P.S.I. gauge	T 1916
3/8" Lubricator	T 1920
1/2" Lubricator	T 1921
0- 5 Lb. Balancer	T 1926
5-10 Lb. Balancer	T 1927



HAMMERS  
BREAKERS

5-13

HIGH CYCLE  
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IMPACT  
WRENCHES

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SCREWDRIVERS  
TAPPERS

46-48

TAMPER

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AIR TOOLS

50-53

SERVICE  
CENTERS

INSIDE  
BACK COVER



## NOTES



## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## NOTES

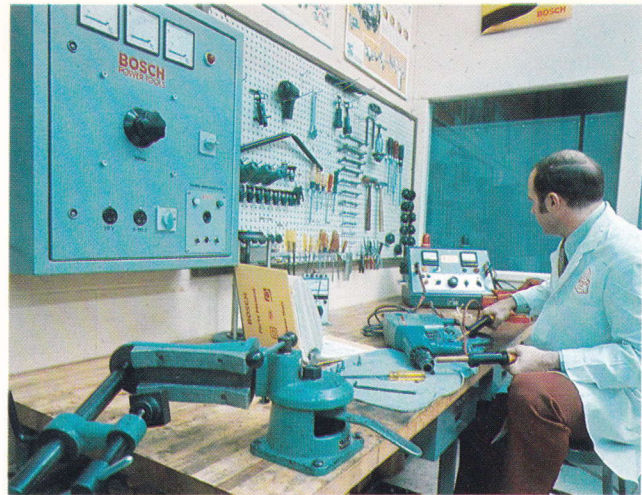


# Bosch Power Tool Service! Maintaining A World-Wide Tradition:

THE BOSCH POWER TOOL SERVICE SYSTEM is known the world over for prompt, fair and reliable service to the owners of Bosch Power Tool Products.

In North America the tradition and fine reputation of our system is maintained through our Factory Owned Service Centers and our many fine, independent Authorized Service Centers throughout the land.

The very latest equipment for testing, repairing and maintaining parts inventories for our Power Tool Products is supplied to our service representatives. Our mechanics and technical personnel are trained and kept abreast of the latest repair techniques through regularly scheduled visits to our Authorized Service Centers.



## UNITED STATES

### ALABAMA

Birmingham Saw Works  
910 N. 28th St.  
Birmingham, Alabama 35203  
Phone: (205) 324-9528

### ARIZONA

Glenn's Tool Service  
4036 N. 13th Way  
Phoenix, Arizona 85014  
Phone: (602) 264-6203  
Power Tool Service Co.  
1650 E. 18th St., Unit R  
Tucson, Arizona 85719  
Phone: (602) 884-8974

### CALIFORNIA

Craig & Green  
82-14th Street  
San Francisco, California 94103  
Phone: (415) 863-6442  
Mid-Valley Tool  
7141 Kester Avenue  
Van Nuys, California 91405  
Phone: (213) 785-0464  
Minit Tool Company  
1020 E. 7th Street  
Los Angeles, California 90021  
Phone: (213) 627-1501  
One Source Service  
1075 North 10th Street  
San Jose, California 95112  
Phone: (408) 297-7912  
T-P Power Tools  
10308 East 14th Avenue  
Oakland, California 94603  
Phone: (415) 568-2441

### COLORADO

Central Motive Power, Inc.  
6301 N. Broadway  
Box 17128 T.A.  
Denver, Colorado 80217  
Phone: (303) 426-3611

### CONNECTICUT

Portable Power Tool Repair, Inc.  
471 Arch Street, Rear  
New Britain, Connecticut 06051  
Phone: (203) 223-6850

### TORONTO

FACTORY SERVICE CENTER  
6811 CENTURY AVENUE  
MISSISSAUGA, ONTARIO  
PHONE: (416) 826-6060

### FLORIDA

Electric Machinery Service Div.  
515 S. Packwood Avenue  
Tampa, Florida 33606  
Phone: (813) 251-2444  
Rock-Weld Equipment Corp.  
of Florida  
96 West 21st Street  
Hialeah, Florida 33010  
Phone: (305) 887-8237

### GEORGIA

B B J, Inc.  
5420 Floyd Road  
Mableton, Georgia 30059  
Phone: (404) 944-8566

### HAWAII

Schultz Automotive  
941 Kawaihahao Street  
Honolulu, Hawaii 96814  
Phone: (808) 538-6808

### ILLINOIS

Electric Motor Repair Company  
1106 E. Bell Street  
Bloomington, Illinois 61701  
Phone: (309) 827-8076  
IMI Equipment Service &  
Supply, Inc.  
130 Crossen Avenue  
Elk Grove Village, Illinois 60007  
Phone: (312) 593-7606

### INDIANA

Capital Electric Service, Inc.  
902 South West Street  
Indianapolis, Indiana 46225  
Phone: (317) 638-7538

### LOUISIANA

Gerhardt's, Inc.  
819 Central Avenue  
P. O. Box 10161  
Jefferson, Louisiana 70181  
Phone: (504) 837-4200

### ALBERTA

Electric Crafts Ltd.  
114—6th Avenue S.W.  
Calgary, Alberta  
Phone: (403) 262-9494

Scona Electric Ltd.  
9950 75th Ave.  
Edmonton, Alberta  
Phone: (403) 433-4247

### BRITISH COLUMBIA

Armature Electric Ltd.  
55 West 8th Street  
Vancouver, B.C.  
Phone: (604) 879-6141

### MARYLAND

Lipman Electric Company, Inc.  
2682 W. Patapsco Avenue  
Baltimore, Maryland 21230  
Phone: (301) 525-1111

### MASSACHUSETTS

Service Sales Corporation  
442 Cambridge Street  
Allston, Massachusetts 02134  
Phone: (717) 254-2444

### MICHIGAN

J. T. Hoeksema Co.  
2499—28th Street, S.W.  
Grand Rapids, Michigan 49509  
Phone: (616) 538-1870  
Re-Nu Electric Company  
20163 John Road  
Detroit, Michigan 48203  
Phone: (313) FO 6-1570

### MINNESOTA

Minnesota Industrial Tools  
524 North 5th Street  
Minneapolis, Minnesota 55401  
Phone: (612) 333-8281

### MISSISSIPPI

Flannigan Electric Co., Inc.  
328 Oakdale Street  
P. O. Box 8657  
Jackson, Mississippi 39204  
Phone: (601) 354-2756

### MISSOURI

P. M. Electric Company, Inc.  
5280 Fyler Avenue  
St. Louis, Missouri 63139  
Phone: (314) 351-4550

### NEBRASKA

Armature & Electric Machine Co.  
4425 South 87th Street  
Omaha, Nebraska 68127  
Phone: (402) 331-0700

### BRITISH COLUMBIA

Thompson Electric Service  
1090 Richter St.  
Kelowna, British Columbia

### MANITOBA

Luke's Machinery Ltd.  
318 Notre Dame Avenue  
Winnipeg, Manitoba  
Phone: (204) 943-3421

### NOVA SCOTIA

Industrial Eng. Co., Ltd.  
6331 Lady Hammond St.  
Box 1389  
Halifax, N. S.  
Phone: (902) 455-1531

### NEVADA

Stewart's Electric Motors, Inc.  
2113 Western Avenue  
Las Vegas, Nevada 89102  
Phone: (702) 394-0949

### NEW JERSEY

Universal Electric Motor  
Services  
126 Essex Street  
Lodi, New Jersey 07644  
Phone: (201) 845-7820

### NEW YORK

A & T Tool and Equipment  
Service  
505 East Jericho Turnpike  
Huntington Station, L.I., N.Y.  
11746  
Phone: (516) 271-2141  
Albany Burner Control, Inc.  
20 Colvin Avenue  
Albany, New York 12206  
Phone: (518) 459-8856  
S & S Electric Repair Shop  
2470 Seneca Street  
Buffalo, New York 14210  
Phone: (716) 823-1232  
White Tool Service  
30-47 Atlantic Avenue  
Brooklyn, New York 12208  
Phone: (212) 277-8844

### NORTH CAROLINA

A-1 Rental, Inc.  
19 Battleground Court  
Greensboro, North Carolina  
27408  
Phone: (919) 275-9789  
Portable Tool Service  
724 N. Brevard Street  
Charlotte, North Carolina 28202  
Phone: (704) 322-8337, 3578

### OHIO

Kay-Dee Electric Motor &  
Tool Repair  
3407 St. Clair Avenue  
Cleveland, Ohio 44114  
Phone: (216) 881-2565

### ONTARIO

Robert Bosch (Canada) Ltd.  
6811 Century Avenue  
Mississauga, Ontario  
Phone: (416) 826-6060

A. C. Jenkins Ltd.  
289 Ashland Avenue  
London, Ontario  
Phone: (519) 451-4020  
Rentalex Ltd.  
1905 Merivale Road  
Ottawa, Ontario  
Phone: (613) 224-0470

### OHIO

Schulhoff Tool Rental, Inc.  
2709 Woodburn Avenue  
Cincinnati, Ohio 45206  
Phone: (513) 961-3011, 4490  
Vollmer Electric Motor Service  
540 S. Front Street  
Columbus, Ohio 43215  
Phone: (614) 228-5265, 5266

### OKLAHOMA

Magneto Ignition Company, Inc.  
7450 East 46th Place  
P. O. Box 45324  
Tulsa, Oklahoma 74145  
Phone: (918) 627-1448

### OREGON

Walker Electric, Inc.  
206 N.W. 10th Avenue  
Portland, Oregon 97209  
Phone: (503) 226-6828

### PENNSYLVANIA

Electric Motor & Power Tool  
Parts & Supply Company  
147 Geary Street  
New Cumberland, Pennsylvania  
17070  
Phone: (717) 744-0870  
Servisall Equipment Company  
7014 B Beaver Dam Road  
P. O. Box 924  
Levittown, Pennsylvania 19058  
Phone: (215) 547-2700  
Snyder Electric Company  
1500-02 Chateau Street  
Pittsburgh, Pennsylvania 15233  
Phone: (412) 231-3100

### RHODE ISLAND

Waddington Electric, Inc.  
25 Webb Street  
Cranston, Rhode Island 02910  
Phone: (401) 781-0730

### SOUTH CAROLINA

Power Tool Service, Inc.  
Old Mill Road  
P. O. Box 612  
Mauldin, South Carolina 29662  
Phone: (803) 288-8640

### ONTARIO

Bertsch Power Tool Service  
966 Scarlett Road  
Weston, Ontario  
Phone: (416) 241-6321

Morley Kerr Ltd.  
1146 Roland St.  
Thunder Bay, Ontario

### QUEBEC

Autoelectra, Inc.  
7325 Decarie Blvd.  
Montreal, Quebec H4P 2E8  
Phone: (514) 342-1044

### TENNESSEE

Allied Electric Motor Company  
939—4th Avenue, S.  
Nashville, Tennessee 37210  
Phone: (615) 259-3892  
H. R. Ford Co., Inc.  
3120 Norbrook Drive  
Memphis, Tennessee 38116  
Phone: (901) 396-9796

### TEXAS

Big "D" Tool Center, Inc.  
1630 Irving Blvd.  
Dallas, Texas 75207  
Phone: (214) 742-8041  
Robert Bosch Corporation  
4131-A Directors Row  
Houston, Texas 77018  
Phone: (713) 681-8461  
Tool Repair & Supply Company  
737 Austin Street  
San Antonio, Texas 78208  
Phone: (512) 225-6301

### UTAH

Electric Motor & Supply  
Company  
351 West 4th South  
Salt Lake City, Utah 84101  
Phone: (801) 328-2501

### WASHINGTON

K & N Electric Motors, Inc.  
217 W. Cataldo  
P. O. Box 303  
Spokane, Washington 99210  
Phone: (509) 328-3260  
Trace Electric Company  
1606 Dexter Avenue, N.  
Seattle, Washington 98109  
Phone: (206) EA 3-5548

### WISCONSIN

Tremi Sales & Service  
8411 West Becher Street  
West Allis, Wisconsin 53227  
Phone: (414) 545-5170

## CANADA

### QUEBEC

Turgeon & Jobin Ltd.  
205 Montmagny Street  
Quebec City, P.Q.  
Phone: (418) 529-6511

### SASKATCHEWAN

Thayer Equipment Rentals  
Pacific Avenue & 24th St.  
Saskatoon, Saskatchewan  
Phone: (306) 569-2508



# **BOSCH**

## **POWER TOOLS**

### **Robert Bosch Corporation**

ROBERT BOSCH CORPORATION — 2800 SOUTH 25TH AVENUE, BROADVIEW, ILLINOIS 60153 • 60 BAYLIS ROAD, MELVILLE, NEW YORK 11746  
345 E. GRAND AVE., S. SAN FRANCISCO, CA 94080 • 4131-A DIRECTORS ROW, HOUSTON, TX 77018 • 6300 ARIZONA CIRCLE, LOS ANGELES, CA 90045

ROBERT BOSCH (CANADA) LTD.—6811 CENTURY AVENUE, MISSISSAUGA, ONTARIO L5N 1R1